Clarion®

Owner's manual
Mode d'emploi
Manual de instrucciones
Istruzioni per l'uso

M455A

MARINE AM/FM/CD MULTIMEDIA CONTROLLER
COMBINÉ NAUTIQUE RADIO AM/FM-LECTEUR CD MULTIMEDIA
CONTROLADOR MULTIMEDIA MARINO DE AM/FM/DISCOS CD
UNITÀ DI CONTROLLO MULTIMEDIALE PER USO MARITTIMO AM/FM/CD

English

Thank you for purchasing this **Clarion** product.

* Please read this owner's manual in its entirety before operating this equipment.
* After reading this manual, be sure to keep it in a handy place (e.g., glove compartment).
* Check the contents of the enclosed warranty card and keep it with this manual.
* This manual includes the operating procedures of the CD changer, Satellite Radio Receiver and TV tuner connected via the CeNET cable. The CD changer, Satellite Radio Receiver and TV tuner have their own manuals, but no explanations for operating them are described.

Contents

1. **FEATURES** 2
2. **PRECAUTIONS** 3
   Handling Compact Discs 4
3. **CONTROLS** 5
4. **NOMENCLATURE** 6
   Names of the Buttons and their Functions 6
   Major button operations when external equipment is connected to this unit 7
   Display Items 9
   Display Screen 9
5. **DETACHABLE CONTROL PANEL** 10
6. **REMOTE CONTROL** 11
   Optional Wired Remote Control Unit Operations 11
   Optional Wireless Remote Control Unit Operations 13
7. **OPERATIONS** 15
   Basic Operations 15
   Radio Operations 17
   CD Operations 19
   Operations Common to Each Mode 20
8. **ACCESSORIES** 22
   Sirius Satellite Radio Operations 22
   iPod Operations 25
   CD Changer Operations 27
   TV Operations 29
9. **TROUBLESHOOTING** 31
10. **ERROR DISPLAYS** 32
11. **SPECIFICATIONS** 33

1. FEATURES

CeNET COMPACT disc DIGITAL AUDIO SIRIUS READY

- Pelgan Z® Conformal Coated PCB and Microprocessor
- Rotary Volume Control
- High Definition Positive LC Display
- Spring Loaded Silicon Oil Damped Suspension
- CD-R/CD-RW Compatible
- Z-Enhancer+ Equalizer
- Magna Bass EX
- Magi-Tune+® Tuner with 6 AM/18FM Presets
- Detachable Control Panel
- 2-Channel RCA Audio Auxiliary Input
- 4-Channel RCA Audio Output (Front/Rear)
- 4-Channel Speaker Output (52W x 4 Max)

2. PRECAUTIONS

English

1. When it is very cold in the boat and the unit is used soon after switching on the heater, the disc and the optical components may become fogged and not operate properly. Wipe fogged discs with a soft cloth. Fogged optical components will naturally return to normal when the unit is left for about one hour, after which it will operate normally.
2. When the boat is underway in rough water the CD may skip as a result of intense vibrations and shock.
3. This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help.

⚠CAUTION

USE OF CONTROLS, ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

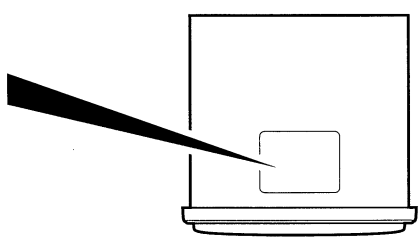
THE COMPACT DISC PLAYER and MINI DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURER FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

INFORMATION FOR USERS:

CHANGES OR MODIFICATIONS TO THIS PRODUCT NOT APPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY AND WILL VIOLATE FCC APPROVAL.

MODEL
Clarion
USA: AM 530-1710kHz / FM 87.9-107.9MHz
12V ⊖ GROUND
EUROPE: AM 531-1602kHz / FM 87.5-108MHz
15A Load 4Ω
AUSTRALIA: AM 531-1629kHz / FM 87.0-108MHz
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.
THIS PRODUCTION COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.
CLARION CO.,LTD. 50 KAMITODA, TODA-SHI, SAITAMA-KEN, JAPAN
CLASS 1 LASER PRODUCT
051 722 877
MANUFACTURED:
SERIAL No.
Clarion Co.,Ltd.



Bottom View of Source Unit

Handling Compact Discs

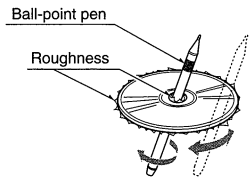
Use only compact discs bearing the COMPACT DISC DIGITAL AUDIO mark.

Do not play heart-shaped, octagonal, or other specially shaped compact discs.

Some CDs recorded in CD-R/CD-RW mode may not be usable.

Handling

- Compared to ordinary music CDs, CD-R and CD-RW discs are easily affected by high temperature and humidity. Prolonged exposure to high heat and humidity may make the discs unplayable. Therefore, do not leave them for a long time in the boat.
- New discs may have rough edges. If such discs are used, the player may not work, or the sound may skip. Use a ball-point pen or the like to remove any roughness from the edge of the disc.



- Never stick labels on the surface of the compact disc or mark the surface with a pencil or pen.
- Never play a compact disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a compact disc, you may not be able to get it back out of the CD player or it may damage the CD player.
- Do not use compact discs that have large scratches, are misshapen, cracked, etc. Use of such discs may cause misoperation or damage.
- To remove a compact disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Do not use commercially available CD protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

Storage

- Do not expose compact discs to direct sunlight or any heat source.
- Do not expose compact discs to excess humidity or dust.
- Do not expose compact discs to direct heat from heaters.

Cleaning

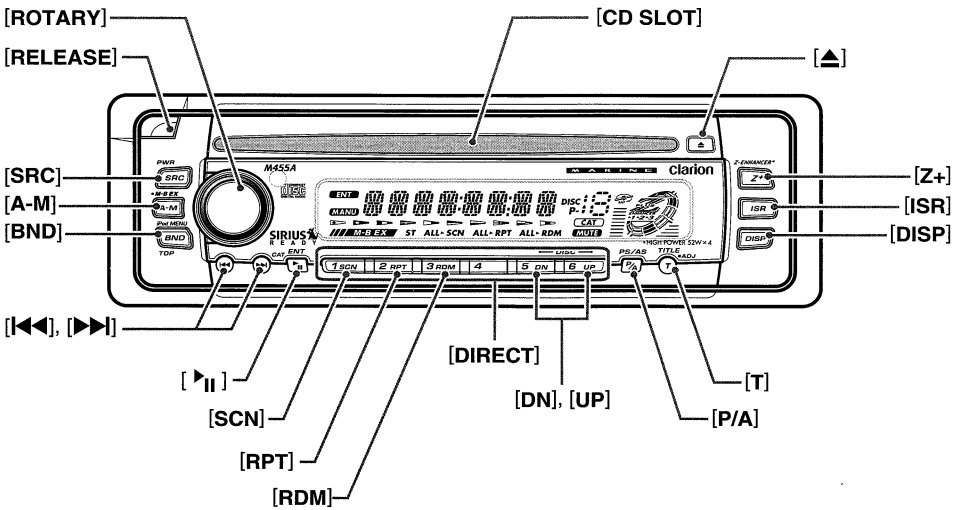
- To remove fingermarks and dust, use a soft cloth and wipe in a straight line from the center of the compact disc to the circumference.
- Do not use any solvents, such as commercially available cleaners, anti-static spray, or thinner to clean compact discs.
- After using special compact disc cleaner, let the compact disc dry off well before playing it.

Be sure to unfold and read the next page.
Veuillez déplier et vous référer à la page suivante.
Cerciórese de desplegar y de leer la página siguiente.
Assicurarsi di aprire e leggere la pagina successiva.

English
Français
Español
Italiano

3. CONTROLS / LES COMMANDES CONTROLES / CONTROLLI

***Source unit** / Appareil pilote / **Unidad fuente** / Unità di fonte*



Note: Be sure to unfold this page and refer to the front diagrams as you read each chapter.
Remarque: Veuillez déplier cette page et vous référer aux schémas quand vous lisez chaque chapitre.
Nota: Cuando lea los capítulos, despliegue esta página y consulte los diagramas.
Nota: Assicurarsi di aprire questa pagina e fare riferimento a questi diagrammi quando si legge ciascun capitolo.

English

4. NOMENCLATURE

Note:

- *Be sure to read this chapter referring to the front diagrams of chapter "**3. CONTROLS**" on page 5 (unfold).*

Names of the Buttons and their Functions

[RELEASE] button

- Deeply push in [**RELEASE**] button to release the front panel.

[ROTARY] knob

- Adjust the volume by turning the knob clockwise or counterclockwise.
- Use the knob to perform function adjustments.

[CD SLOT]

- CD insertion slot.

[⏏] (Eject) button

- Eject a CD when it is loaded into the unit.

[Z+] (Z-Enhancer Plus) button

- Use the button to select one of the 3 types of sound characteristics already stored in memory, or a 4th custom user programmed setting.

[ISR] (Instant Station Recall) button

- Recall ISR radio station in memory.
- Press and hold for 2 seconds or longer: Store current station into ISR memory (radio mode only).

[DISP] (Display) button

- Switch the display indication (Main display, Sub display, Clock display).

[T] (Title) button

- Press and hold the button for 1 second or longer to enter the adjust mode.

[P/A] (Preset Scan/Auto Store) button

- Perform preset scan while in the radio mode. When the button is pressed and held, auto store is performed.

[DIRECT] (1–6) buttons

- Store a station into memory or recall it directly while in the radio mode.

[RDM] (Random) button

- CD plays random track order.

[RPT] (Repeat) button

- Repeat play while in the CD mode.

[SCN] (Scan) button

- Plays 10 seconds of each track while in the CD mode.

[⏯] (Play/Pause) button

- Play or pause a CD while in the CD mode.

[⏮], [⏭] buttons

- Select a station while in the radio mode or select a track when listening to a CD. The buttons are also used to adjust function settings.
- Press and hold the button for 1 second or longer to switch to fast-forward/fast-rewind.

[BND] (Band) button

- Switch the band.
- When the button is pressed and held, switch between seek or manual tunings.
- Play the first track of the CD.

[A-M] (Audio-Mode) button

- Use the button to switch to the audio mode (bass/treble, balance/fader Z-Enhancer Plus, Magna Bass Extended adjustment)

[SRC] (Source) button

- Press the button to turn on the power. Press and hold the button for 1 second or longer to turn the power off.
- Switches operation between Radio, CD, Aux, and CeNET modes.

Major button operations when external equipment is connected to this unit

English

●When the Sirius Satellite Radio is connected

* For details, see the section "**Sirius Satellite Radio operations**".

[DISP] (Display) button
- When held depressed for 1 second or longer, switches title.

[T] (Title) button
- Use to perform title scroll.

[P/A] (Category scan) button
- Performs category scan. When the button is pressed and held, preset scan is performed.

[DIRECT] (1–6) buttons
- Stores a station into memory or recall it directly.

[▶II] (Category selection) button
- Enter the category selection mode.

[I◀◀], [▶▶I] buttons
- Select a station.

[BND] (Band) button
- Switch the band.
- When the button is pressed and held, switch between seek or manual tunings.

●When the CD changer is connected

* For details, see the section "**CD Changer Operations**".

[UP], [DN] (Up/Down) buttons
- Select the desired CD in the CD changer.

[RDM] (Random) button
- Perform random play. Also perform disc random play when the button is pressed and held.

[RPT] (Repeat) button
- Perform repeat play. When this button is pressed and held, single disc repeat play is performed.

[SCN] (Scan) button
- Perform scan play for 10 seconds of each track. Disc scan play is performed when the button is pressed and held.

[▶II] (Play/Pause) button
- Play or pause a CD.

[I◀◀], [▶▶I] buttons
- Select a track when listening to a disc.
- Press and hold the button for 1 second or longer to switch to fast-forward/fast-rewind.

[BND] (Band) button
- Move to the next disc in increasing order.

●When the TV is connected

* For details, see the section "**TV Operations**".

[P/A] (Preset Scan/Auto Store) button
- Perform preset scan. When the button is pressed and held, auto store is performed.

[DIRECT] (1–6) buttons
- Store a station into memory or recall it directly.

[▶II] (Play/Pause) button
- Switch the TV picture mode or VTR (external) picture mode.

[I◀◀], [▶▶I] buttons
- Select a station.

[BND] (Band) button
- Switch the band.
- When the button is pressed and held, switch between seek or manual tunings.

●When the iPod is connected

* For details, see the section "**iPod Operations**".

[ROTARY] knob
- Use to select menus in the iPod MENU mode.

[DISP] (Display) button
- When held depressed for 1 second or longer, switches title.

[T] (Title) button
- Use to perform title scroll.

[SCN] (Scan)/[DIRECT] (1) button
- Use to select the **PLAY LIST** menu in the iPod MENU mode.

Major button operations when external equipment is connected to this unit

[RPT] (Repeat)/[DIRECT] (2) button
- Perform repeat play. Also perform all-repeat play when the button is held depressed for 1 second or longer.
- Use to select the **ARTISTS** menu in the iPod MENU mode.

[RDM] (Random)/[DIRECT] (3) button
- Perform random play. Also perform all-random play when the button is held depressed for 1 second or longer.
- Use to select the **ALBUMS** menu in the iPod MENU mode.

[DIRECT] (4) button
- Use to select the **SONGS** menu in the iPod MENU mode.

[DIRECT] (5) button
- Use to select the **GENRES** menu in the iPod MENU mode.

[DIRECT] (6) button
- Use to select the **COMPOSERS** menu in the iPod MENU mode.

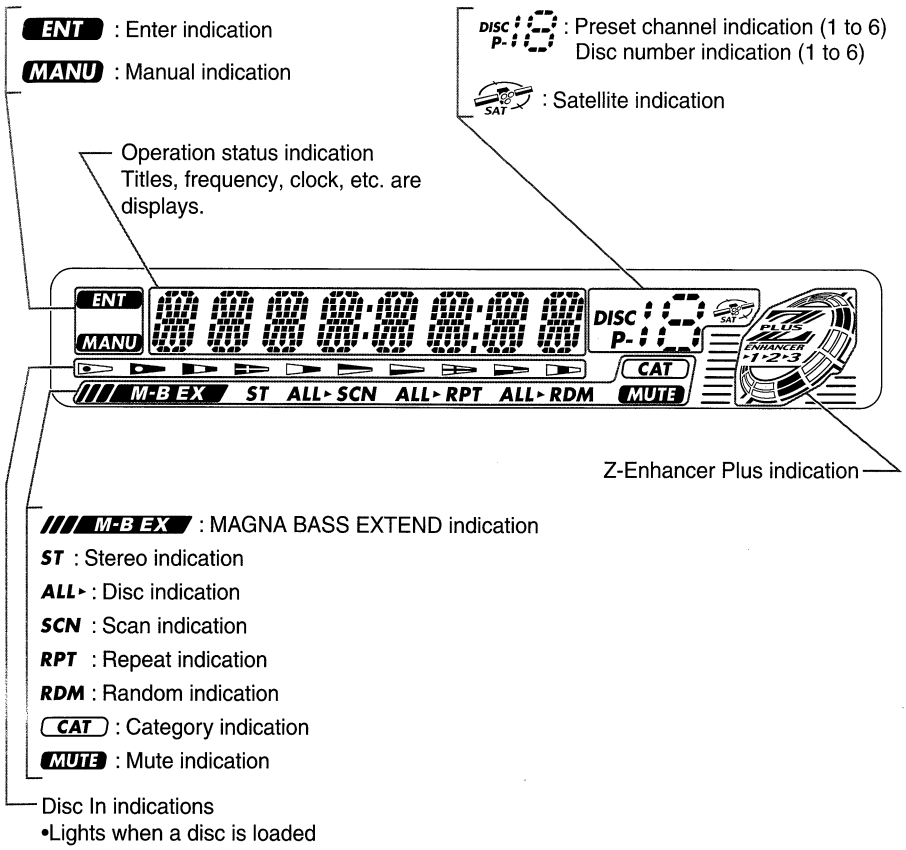
[▶II] (Play/Pause) button
- Play or pause a MUSIC.

[▶▶I] button
- Perform the Track up operation. Press and hold the button for 1 second or longer to switch to fast-forward.
- Use to proceed to the next menu in the iPod MENU mode.

[I◀◀] button
- Perform the Track down operation. Press and hold the button for 1 second or longer to switch to fast-rewind.
- Use to return to the previous menu in the iPod MENU mode.

[BND] (iPod MENU) button
- Use to switch to the iPod MENU mode.
- When held depressed for 1 second or longer, performs all play.

Display Items


ENT : Enter indication
MANU : Manual indication
DISC P- : Preset channel indication (1 to 6)
Disc number indication (1 to 6)
SAT : Satellite indication
Operation status indication
Titles, frequency, clock, etc. are displays.
ENT
MANU
DISC P-
SAT
CAT
M-B EX ST ALL▸SCN ALL▸RPT ALL▸RDM MUTE
Z-Enhancer Plus indication
M-B EX : MAGNA BASS EXTEND indication
ST : Stereo indication
ALL▸ : Disc indication
SCN : Scan indication
RPT : Repeat indication
RDM : Random indication
CAT : Category indication
MUTE : Mute indication
Disc In indications
•Lights when a disc is loaded

Display Screen

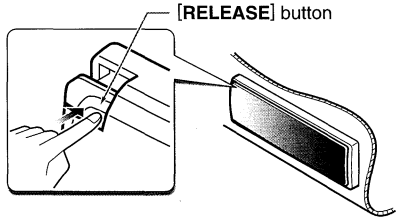
In extreme cold, the screen movement may slow down and the screen may darken, but this is normal. The screen will recover when it returns to normal temperature.

English

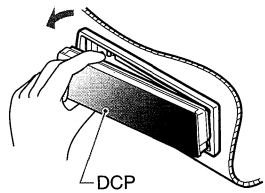
5. DETACHABLE CONTROL PANEL

Removing the DCP

1. Press the [**SRC**] button for 1 second or longer to switch off the power.
2. Press in the [**RELEASE**] button.

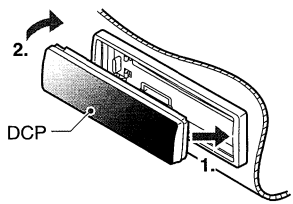


3. Remove the DCP.



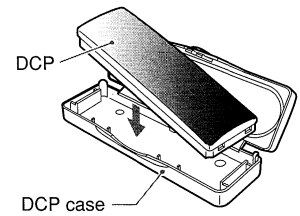
Attaching the DCP

1. Insert the right side of the DCP into the source unit.
2. Insert the left side of the DCP into the source unit.



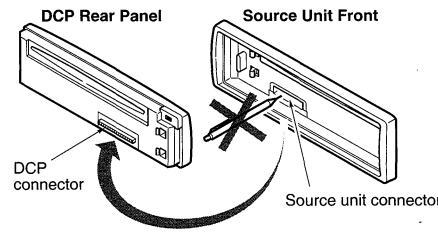
Storing the DCP in the DCP Case

Hold the DCP, in the orientation as shown in the figure below, and put it into the supplied DCP case. (Ensure the DCP is in the correct orientation.)



⚠CAUTION

- **The DCP can be damaged by impact. After removing it, be careful not to drop or subject it to strong shocks.**
- **The connector connecting the source unit and the DCP is an extremely important part. Be careful not to damage it by pressing on it with fingernails, screwdrivers, etc.**



Note:

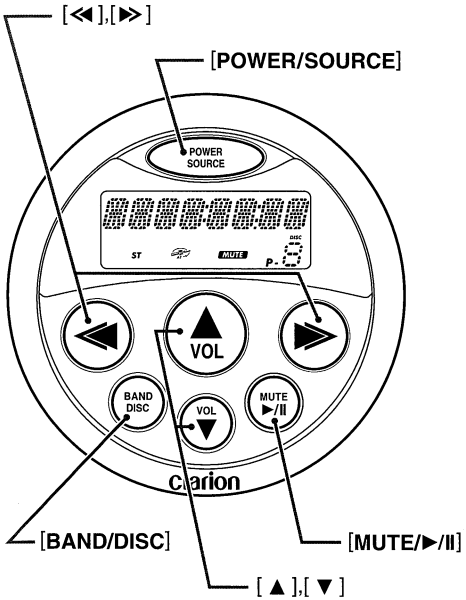
- *If the DCP is dirty, wipe off the dirt with a soft, dry cloth only.*

6. REMOTE CONTROL

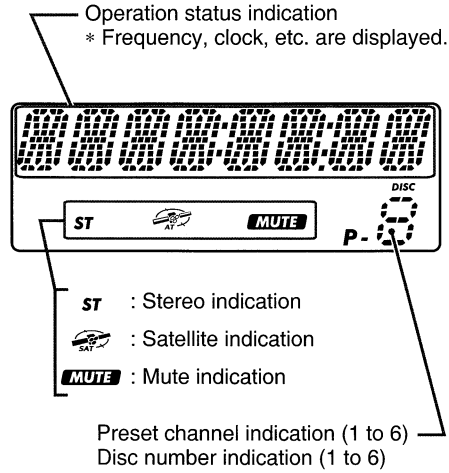
English

Optional Wired Remote Control Unit Operations

■ Following operations are enabled by remote control with the Wired Remote Control Unit CMRC1 or CMRC2 (sold separately).



Display Items



Optional Wired Remote Control Unit Operations

⚠CAUTION

Lower the volume level before powering the source unit off. The source unit stores the last volume setting. If the source unit is powered off with the volume up, when the source unit is powered back on, the sudden loud volume may harm your hearing and/or damage the source unit.

[POWER/SOURCE] button

Turning on and off the power

Press the [**SOURCE**] button to turn the power on and press and hold it for 1 second or longer to turn the power off.

Changing the operation mode

Each time the [**SOURCE**] button is pressed, the mode switches in the following order:

Radio mode ➜ Satellite mode ➜ CD mode ➜ iPod mode ➜ CD changer mode ➜ TV mode ➜ AUX mode ➜ Radio mode.....

Notes:

- *If the above equipment is not connected, corresponding mode cannot be selected.*
- *In CD mode, if no CD is loaded in the unit, the radio mode is selected.*

[▲], [▼] Buttons

Adjusting the volume

Press the [▲] button to increase the volume and press the [▼] button to decrease the volume.

[BAND/DISC] Button

Changing the band (in Radio mode)

Each time the [**BAND**] button is pressed, the band switches in the following order:

FM1 ➜ FM2 ➜ FM3 ➜ AM ➜ FM1.....

Top function (in CD mode)

Press the [**BAND**] button, then the CD will start from the first song (track number 1).

Changing the disc (in CD changer mode)

Each time the [**BAND**] button is pressed, the disc switches in the following order:

1 ➜ 2 ➜ 3 ➜ 4 ➜ 5 ➜ 6 ➜ 1.....

[MUTE/▶/II] Button

Press the [**MUTE**] button. The sound is muted immediately.

To cancel, press the [**MUTE**] button again.

[◀◀], [▶▶] Buttons

Selecting tracks (in CD changer mode or CD mode)

Press the [▶▶] button to start playback from the beginning of the following track. Press the [◀◀] button to start playback from the beginning of the current track. If pressed again, the track moves to the previous one.

Fast-forward and fast-rewind (in CD changer mode or CD mode)

Press and hold the [▶▶] button to fast-forward the disc. Press and hold the [◀◀] button to fast-rewind the disc.

* Pressing and holding the [◀◀] or [▶▶] buttons for 1 second or longer will move forward or backward 3 times faster than normal play, and pressing and holding it for 3 seconds or longer will do the operation 30 times faster.

Changing preset stations (in Radio mode)

Each time the [◀◀] or [▶▶] buttons are pressed, the preset station switches in the following order:

1 ➜ 2 ➜ 3 ➜ 4 ➜ 5 ➜ 6 ➜ 1.....

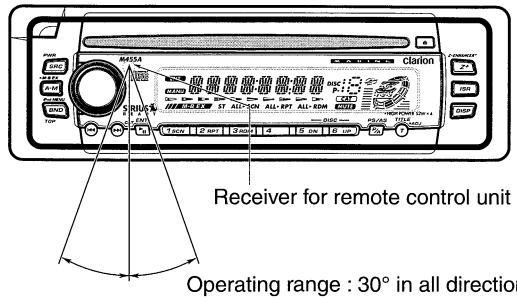
or

6 ➜ 5 ➜ 4 ➜ 3 ➜ 2 ➜ 1 ➜ 6.....

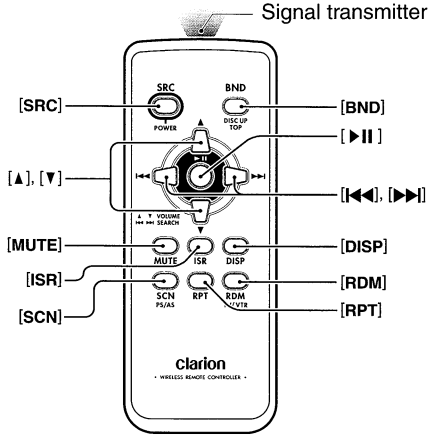
Optional Wireless Remote Control Unit Operations

English

■Following operations are enabled by remote control with the Wireless Remote Control Unit RCB-176-600 (sold separately).

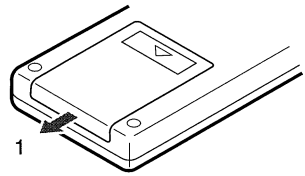


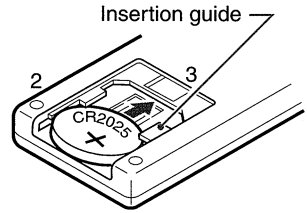
Remote control unit (Sold separately)



Inserting the Battery

1. Turn over the remote control unit and slide the cover in the direction indicated by the arrow in the illustration.
2. Insert the battery (CR2025) into the insertion guides, with the printed side (+) facing upwards.
3. Press the battery in the direction indicated by the arrow so that it slides into the compartment.
4. Replace the cover and slide in until it clicks into place.





Notes:

Misuse may result in rupture of the battery, producing leakage of fluid and resulting in personal injury or damage to surrounding materials. Always follow these safety precautions:

- *Use only the designated battery .*
- *When replacing the battery, insert properly, with +/- polarities oriented correctly.*
- *Do not subject battery to heat, or dispose of in fire or water. Do not attempt to disassemble the battery.*
- *Dispose of used batteries properly.*

English

Optional Wireless Remote Control Unit Operations

Mode / Button	Radio/Satellite	CD	CD changer	TV	iPod
[SRC]	Switches among radio, Satellite Radio Receiver, CD, iPod, CD changer, TV and AUX. The power of this unit turns off by pressing and holding or 1 second or longer when the power is on.				
[BND]	Switches reception band.	Returns to the first track.	Moves the next disc in increasing order.	Switches reception band.	When pressed and held for 1 second or longer:All play.
[▲], [▼]	Increases and decreases volume (in all modes).				
[⏮], [⏭]	Moves preset channels up and down.	Moves tracks up and down. When pressed and held for 1 second or longer: Fast-forward/fast-rewind.		Moves preset channels up and down.	Moves tracks up and down.When pressed and held for 1 second or longer:Fast-forward/fast-rewind.
[▶❚❚]	No function.	Switches between playback and pause.		No function.	Switches between playback and pause.
[MUTE]	Turns mute on and off.				
[ISR]	Recalls ISR radio station in memory. When pressed and held for 2 seconds or longer: Stores current station into ISR memory (radio mode only).				
[DISP]	Switches among main display, sub display and clock display. In the sub(title) display, press and hold for 1 second or longer : Switches the display.(Satellite/iPod mode only).				
[SCN]	Preset scan. When pressed and held for 2 seconds or longer: Auto store.	Scan play.	Scan play. When pressed and held for 1 second or longer: Disc scan play.	Preset scan. When pressed and held for 2 seconds or longer: Auto store.	No function.
[RPT]	No function	Repeat play.	Repeat play. When pressed and held for 1 second or longer:Disc repeat play.	No function.	Repeat play. When pressed and held for 1 second or longer:All repeat play.
[RDM]	No function.	Random play.	Random play. When pressed and held for 1 second or longer: Disc random play.	Switches between TV and VTR.	Random play. When pressed and held for 1 second or longer:All random play.

* Some of the corresponding buttons on the main unit and remote control unit have different functions.
* When turning off the power of this unit, you cannot turn the power on from the wireless remote control unit. Operate from this unit or the wired remote control unit.

7. OPERATIONS

English

Basic Operations

Note: *Be sure to read this chapter referring to the front diagrams of chapter "**3. CONTROLS**" on page 5 (unfold).*

⚠CAUTION

Lower the volume level before powering the source unit off. The source unit stores the last volume setting. If the source unit is powered off with the volume up, when the source unit is powered back on, the sudden loud volume may harm your hearing and/or damage the source unit.

Turning on/off the power

Note:

- *Be careful about using this unit for a long time without running the engine. If you drain the boat's battery too far, you may not be able to start the engine, and this can reduce the service life of the battery.*

1. Press the [**SRC**] button.
2. The illumination and display on the unit light up. The unit automatically remembers its last operation mode and will automatically switch to display that mode.
3. Press and hold the [**SRC**] button for 1 second or longer to turn off the power for the unit.

Note:

- *System check*

  During the initial power up of this unit, it will go through a system check procedure. This procedure verifies any devices connected through CeNET. Any additional CeNET devices plugged into the unit after the initial power up will initiate the system check procedure. The system check starts automatically within the unit.

Selecting a mode

1. Press the [**SRC**] button to change the operation mode.
2. Each time you press the [**SRC**] button, the operation mode changes in the following order:

   Radio mode ➜ Satellite mode ➜ CD mode ➜ iPod mode ➜ CD changer mode ➜ TV mode ➜ AUX mode ➜ Radio mode...

   * External equipment not connected with CeNET is not displayed.

Adjusting the volume

Turning the [**ROTARY**] knob clockwise increases the volume; turning it counterclockwise decreases the volume.

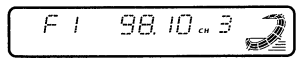
* The volume level is from 0 (minimum) to 33 (maximum).

Switching the display

Press the [**DISP**] button to select the desired display.

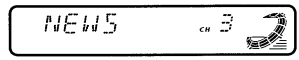
Each time you press the [**DISP**] button, the display switches in the following order:

Main display



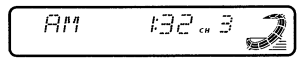
↓

Sub display (Satellite mode only)



↓

Clock display



↓

Main display

* Once selected, the preferred display becomes the display default. When a function adjustment such as volume is made, the screen will momentarily switch to that function's display, then revert back to the preferred display several seconds after the adjustment.

Setting the Z-Enhancer Plus

This unit are provided with 3 types of sound tone effects stored in memory. Select the one you prefer.

* The factory default setting is "**Z+ OFF**".

Each time you press the [**Z+**] button, the tone effect changes in the following order:

"Z+ OFF" ➜ "B-BOOST" ➜ "IMPACT" ➜ "EXCITE" ➜ "CUSTOM" ➜ "Z+ OFF" ...

- B-BOOST : bass emphasized
- IMPACT : bass and treble emphasized
- EXCITE : bass and treble emphasized mid de-emphasized
- CUSTOM : user custom
- Z+ OFF : no sound effect

Adjusting the Z-Enhancer Plus

1. Press the [**Z+**] button and select the Z-Enhancer Plus mode to adjust.
2. Press the [**A-M**] button and turning the [**ROTARY**] knob clockwise adjusts in the + direction; turning it counterclockwise adjusts in the – direction.
   - When "**B-BST 0**" is selected, you can adjust the bass in the range of –3 to 3.
   - When "**IMPACT 0**" is selected, you can adjust the bass and treble in the range of –3 to 3.
   - When "**EXCITE 0**" is selected, you can adjust the bass and treble in the range of –3 to 3.
   - When "**CUSTOM**" mode is selected, bass gain, frequency and Q-curve, and treble gain and frequency can be adjusted.

   * Press and hold the [**Z+**] button for 1 second or longer, then the setting parameter of bass/treble will be initialized with a display "**Z+FLAT**".

Adjusting the tone

Press the [**A-M**] button and select the item to adjust. Each time you press the [**A-M**] button, the item changes as following order:

- **When "B-BOOST" is set**

  "S-VOL 0" ➜ "B-BOOST" ➜ "BAL 0" ➜ "FAD 0" ➜ Last function mode.
- **When "IMPACT" is set**

  "S-VOL 0" ➜ "IMPACT" ➜ "BAL 0" ➜ "FAD 0" ➜ Last function mode.
- **When "EXCITE" is set**

  "S-VOL 0" ➜ "EXCITE" ➜ "BAL 0" ➜ "FAD 0" ➜ Last function mode.
- **When "CUSTOM" is set**

  "S-VOL 0" ➜ "BASS" ➜ "TREBLE" ➜ "BAL 0" ➜ "FAD 0" ➜ Last function mode.
- **When "Z+ OFF" is set**

  "S-VOL 0" ➜ "BAL 0" ➜ "FAD 0" ➜ Last function mode.

Note:

- *If the rear line level output is set to the full range "**REAR**" setting, "**S-VOL**" will not be shown as a selection.*

Adjusting the bass (Gain, Frequency, Q-curve)

This adjustment can be performed when the Z-Enhancer Plus is set to "**CUSTOM**".

1. Press the [**A-M**] button and select "**BASS**".
2. Turning the [**ROTARY**] knob clockwise emphasizes the bass; turning it counterclockwise attenuates the bass.

   * The factory default setting is "**B<G 0>**". (Adjustment range: –6 to +6)
3. Press the [**|◀◀**] or [**▶▶|**] button to select "**B<F 60>**".

   Turn the [**ROTARY**] knob to select the frequency.

   * The factory default setting is "**B<F 60>**". (Adjustment 60/100/200 Hz)
4. Press the [**|◀◀**] or [**▶▶|**] button to select "**B<Q 1>**".

   Turn the [**ROTARY**] knob to select the Q-curve.

   * The factory default setting is "**B<Q 1>**". (Adjustment 1/1.25/1.5/2)
5. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the treble (Gain, Frequency)

This adjustment can be performed when the Z-Enhancer Plus is set to "**CUSTOM**".

1. Press the [**A-M**] button and select "**TREBLE**".
2. Turning the [**ROTARY**] knob clockwise emphasizes the treble; turning it counterclockwise attenuates the treble.

   * The factory default setting is "**T<G 0>**". (Adjustment range: –6 to +6)
3. Press the [**|◀◀**] or [**▶▶|**] button to select "**T<F 10>**".

   Turn the [**ROTARY**] knob to select the frequency.

   * The factory default setting is "**T<F 10>**". (Adjustment 10 kHz/15 kHz)
4. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the balance

1. Press the [**A-M**] button and select "**BAL 0**".
2. Turning the [**ROTARY**] knob clockwise emphasizes the sound from the right speaker; turning it counterclockwise emphasizes the sound from the left speaker.
   * The factory default setting is "**BAL 0**". (Adjustment range: L13 to R13)
3. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the fader

1. Press the [**A-M**] button and select "**FAD 0**".
2. Turning the [**ROTARY**] knob clockwise emphasizes the sound from the front speakers; turning it counterclockwise emphasizes the sound from the rear speakers.
   * The factory default setting is "**FAD 0**". (Adjustment range: F12 to R12)
3. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Setting MAGNA BASS EXTEND

The MAGNA BASS EXTEND does not adjust the low sound area like the normal sound adjustment function, but emphasizes the deep bass sound area to provide you with a dynamic sound.

* The factory default setting is "**OFF**".

1. Press and hold the [**A-M**] button for 1 second or longer to turn on the MAGNA BASS EXTEND effect. "**M-B EX**" lights in the display.
2. Press and hold the [**A-M**] button for 1 second or longer to turn off the MAGNA BASS EXTEND effect. "**M-B EX**" goes off from the display.

Radio Operations

Changing the reception area

This unit is initially set to USA frequency intervals of 10kHz for AM and 200kHz for FM. When using it outside the USA, the frequency reception range can be switched to the intervals below.

		U.S. standard (Initial setting)	Other countries	Europe standard
AM	Frequency spacing	10 kHz	9 kHz	9 kHz
	Frequency range	530 to 1,710 kHz	531 to 1,629 kHz	531 to 1,602 kHz
FM	Frequency spacing	200 kHz	50 kHz	50 kHz
	Frequency range	87.9 to 107.9 MHz	87.0 to 108 MHz	87.5 to 108 MHz

Setting the reception area

* Any station preset memories are lost when the reception area is changed.

1. Press the [**BND**] button and select the desired radio band (FM or AM).

• U.S. standard (initial setting)

2. While pressing the [**DISP**] button, press and hold the number "**1**" of the [**DIRECT**] buttons for 2 seconds or longer.

• Other countries (new setting)

2. While pressing the [**DISP**] button, press and hold the number "**2**" of the [**DIRECT**] buttons for 2 seconds or longer.

• Europe standard (new setting)

2. While pressing the [**DISP**] button, press and hold the number "**3**" of the [**DIRECT**] buttons for 2 seconds or longer.

Listening to the radio

1. Press the [**SRC**] button and select the radio mode. The frequency appears in the display.
2. Press the [**BND**] button and select the radio band. Each time the button is pressed, the radio reception band changes in the following order:
   FM1 → FM2 → FM3 → AM → FM1...
3. Press the [**|◀◀**] or [**▶▶|**] button to tune in the desired station.

Tuning

There are 3 types of tuning mode available, seek tuning, manual tuning and preset tuning.

Seek tuning

1. Press the [**BND**] button and select the desired band (FM or AM).
   * If "**MANU**" is lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" in the display goes off, and seek tuning is now available.
2. Press the [**|◀◀**] or [**▶▶|**] button to automatically seek a station.

   When the [**▶▶|**] button is pressed, the station is sought in the direction of higher frequencies; if the [**|◀◀**] button is pressed, the station is sought in the direction of lower frequencies.

Manual tuning

There are 2 manual tuning methods available: Quick tuning and step tuning.

When you are in the step tuning mode, the frequency changes one step at a time. In the quick tuning mode, you can quickly tune the desired frequency.

1. Press the [**BND**] button and select the desired band (FM or AM).
   * If "**MANU**" is not lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" is lit in the display and manual tuning is now available.
2. Tune in a station.

● **Quick tuning:**

Press and hold the [**|◀◀**] or [**▶▶|**] button for 1 second or longer to tune in a station.

● **Step tuning:**

Press the [**|◀◀**] or [**▶▶|**] button to manually tune in a station.

Recalling a preset station

A total of 24 preset positions (6-FM1, 6-FM2, 6-FM3, 6-AM) exist to store individual radio stations in memory. Pressing the corresponding [**DIRECT**] button recalls the stored radio frequency automatically.

1. Press the [**BND**] button and select the desired band (FM or AM).
2. Press the corresponding [**DIRECT**] button to recall the stored station.
   * Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current station into preset memory.

Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.
2. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current station into preset memory.

Auto store

Auto store is a function for storing up to 6 stations that are automatically tuned in sequentially. If 6 receivable stations cannot be received, a previously stored station remains unoverwritten at the memory position.

1. Press the [**BND**] button and select the desired band (FM or AM).
2. Press and hold the [**P/A**] button for 2 seconds or longer. The stations with good reception are stored automatically to the preset channels.

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press the [**P/A**] button.
2. When a desired station is tuned in, press the [**P/A**] button again to continue receiving that station.

Note:

- *Be careful not to press and hold the [**P/A**] button for 2 seconds or longer, otherwise the auto store function is engaged and the unit starts storing stations.*

Instant station recall (ISR)

Instant station recall is a special radio preset that instantly accesses a favorite radio station at a touch of a button. The ISR function even operates with the unit in other modes.

● **ISR memory**

1. Select the station that you wish to store in ISR memory.
2. Press and hold the [**ISR**] button for 2 seconds or longer.

● **Recalling a station with ISR**

In any mode, press the [**ISR**] button to turn on the radio function and tune the selected radio station. "**ISR**" appears in the display. Press the [**ISR**] button again to return to the previous mode.

Note:

- *Radio operations are disabled during ISR mode. Press one of the [**DIRECT**] buttons to return to the previous mode.*

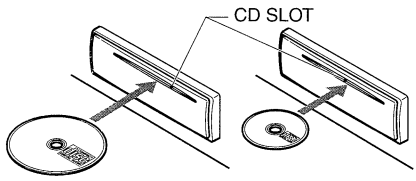
CD Operations

English

Loading a CD

Insert a CD into the center of the [**CD SLOT**] with the label side facing up. **"CD"** or "**LOADING**" appears on the display, the CD enters into the slot, and play starts.

For CD (12 cm) For single CD (8 cm)



Notes:

- *Never insert foreign objects into the CD SLOT.*
- *If the CD is not inserted easily, there may be another CD in the mechanism or the unit may require service.*
- *Discs not bearing the COMPACT DIGITAL AUDIO mark and CD-ROMs cannot be played by this unit.*
- *Some CDs recorded in CD-R/CD-RW mode may not be usable.*

Loading 8 cm compact discs

* No adapter is required to play an 8 cm CD.
* Insert the 8 cm CD into the center of the insertion slot.

Ejecting a CD

1. Press the [⏏] button to eject the CD, "**EJECT**" appears on the display, take it out from the ejected position.

Notes:

- *Forcing a CD into the CD mechanism can damage the CD or source unit.*
  The CD will automatically load after being placed approximately 1/3rd of the way into the CD mechanism.
- *If a CD (12 cm) is left in the ejected position for 15 seconds, the CD is automatically reloaded (Auto reload).*
- *8 cm CDs are not auto reloaded. Be sure to remove it when ejected.*

Listening to a CD already inserted

Press the [**SRC**] button to select the CD mode. Play starts automatically. If no CD is loaded in the unit, "**NO DISC**" appears in the display.

Pausing play

1. Press the [▶II] button to pause play. "**PAUSE**" appears in the display.
2. To resume CD play, press the [▶II] button again.

Selecting a track

● Track-up

1. Press the [▶▶I] button to move ahead to the beginning of the next track.
2. Each time you press the [▶▶I] button, the track advances ahead to the beginning of the next track.

● Track-down

1. Press the [I◀◀] button to move back to the beginning of the current track.
2. Press the [I◀◀] button twice to move to the beginning of the previous track.

Fast-forward/fast-rewind

● Fast-forward

Press and hold the [▶▶I] button for 1 second or longer.

● Fast-rewind

Press and hold the [I◀◀] button for 1 second or longer.

Top function

The top function resets the CD player to the first track of the disc. Press the [**BND**] button to play the first track (track No. 1) on the disc.

Scan play

Scan play locates and plays the first 10 seconds of each track on a disc automatically. This function continues on the disc until it is cancelled.

* The scan play is useful when you want to select a desired track.

1. Press the [**SCN**] button.
2. To cancel the scan play, press the [**SCN**] button again.

Repeat play

Repeat play continuously plays the current track. This function continues automatically until it is cancelled.

1. Press the [**RPT**] button.
2. To cancel the repeat play, press the [**RPT**] button again.

Random play

Random play selects and plays individual tracks on a disc in no particular order. This function continues automatically until it is cancelled.

1. Press the [**RDM**] button.
2. To cancel the random play, press the [**RDM**] button again.

Operations Common to Each Mode

Setting the clock

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**] or [**▶▶|**] button to select "**CLOCK**".
3. Press the [**▶II**] button.
4. Press the [**|◀◀**] or [**▶▶|**] button to select the hour or the minute.
5. Turn the [**ROTARY**] knob to set the correct time.
   * The clock is displayed in 12-hour format.
6. Press the [**▶II**] button to store the time into memory.
7. Press the [**T**] button to return to the previous mode.

Note:

- *You cannot set the clock when it is displayed with only the ignition on. If you drain or remove the boat's battery or take out this unit, the clock is reset. While setting the clock, if another button or operation is selected, the clock set mode is canceled.*

Turning the screen saver function on or off

This unit is provided with the screen saver function which allows you to show various kinds of patterns and characters in the Operation Status indication area of the display in a random order. You can turn on and off this function.

If the button operation is performed with the screen saver function on, the operation display corresponding to the button operation is shown for about 30 seconds and the display returns to the screen saver display.

* The factory default setting is "**OFF**".

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**] or [**▶▶|**] button to select "**SCRN SVR**".
3. Press the [**▶II**] button.
4. Turn the [**ROTARY**] knob to select the setting. Each time you turn the [**ROTARY**] knob, the setting changes in the following order:
   OFF → SS → MESSAGE
5. Press the [**▶II**] button to store the setting.
6. Press the [**T**] button to return to the previous mode.

Entering MESSAGE INFORMATION

Message up to 30 characters long can be stored in memory and displayed for any mode.

* The factory default setting is "**WELCOME TO CLARION**".

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**] or [**▶▶|**] button to select "**INPUT**".
3. Press the [**▶II**] button.
4. Press the [**BND**] button to clear the old message.
5. Press the [**|◀◀**] or [**▶▶|**] button to move the cursor.
6. Press the [**DISP**] button to select a character. Each time you press the [**DISP**] button, the character changes in the following orders:
   Numbers → Symbols → Capital letters → Numbers...
7. Turn the [**ROTARY**] knob to select the desired character.
8. Repeat step 5 to 7 to enter up to 30 message characters.
9. Press and hold the [**▶II**] button for 2 seconds or longer to store the message in memory and cancel the input message.
10. Press the [**T**] button to return to the previous mode.

Setting LOW PASS FILTER

This function allows you to set the low-pass filter for sub-woofer output.

* The factory default setting is "**REAR**".

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**] or [**▶▶|**] button to select "**SW LPF**".
3. Turn the [**ROTARY**] knob to select the setting. Each time you turn the [**ROTARY**] knob, the setting changes in the following order:

   REAR → LPF 50 → LPF 80 → LPF 120
4. Press the [**T**] button to return to the previous mode.

Adjusting the Subwoofer

When you default select one of mode (LPF50, LPF80, LPF120).

1. Press the [**A-M**] button and select "**S-VOL 0**".
2. Turn the [**ROTARY**] knob to adjust the subwoofer volume.
   The factory default setting is "**S-VOL 0**". (Adjustment range: –6 to +6)
3. When the adjustment is complete, press the [**A-M**] button several times until the function mode is reached.

Adjusting the display contrast

You can adjust the display contrast to match the angle of installation of the unit.

* The factory default setting is "**5**". (Adjustment level: 1 to 8)

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**] or [**▶▶|**] button to select "**CONTRAST**".
3. Turn the [**ROTARY**] knob to adjust the contrast.
4. Press the [**T**] button to return to the previous mode.

Selecting AUX IN sensitivity

Make the following settings to select the sensitivity when sounds from external devices connected to this unit are difficult to hear even after adjusting the volume.

* The factory default setting is "**MID**".

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**] or [**▶▶|**] button to select "**AUX SENS**".
3. Turn the [**ROTARY**] knob to select from "**HIGH**", "**MID**" or "**LOW**".
4. Press the [**T**] button to return to the previous mode.

Performing a system check

This function verifies the devices hooked up through CeNET.

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**] or [**▶▶|**] button to select "**S-CHECK**".
3. Press and hold the [**▶II**] button for 1 second or longer to start the system check.

   CeNET connection configuration is automatically checked.

   When the system check is complete, the display returns to the previous mode.

AUX function

This system has an external input jack so you can listen to sounds and music from external devices connected to this unit.

English

8. ACCESSORIES

Sirius Satellite Radio Operations

■Requires additional SIR-CL1 or SIR-CL3M CeNET module

What is Sirius Satellite Radio? SIRIUS READY

Sirius is radio the way it was meant to be: Up to 100 new channels of digital quality programming delivered to listeners coast to coast via satellite. That means 50 channels of completely commercial-free music. Plus up to 50 more channels of news, sports, and entertainment from names like CNBC, Discovery, SCI-FI Channel, A&E, House of Blues, E!, NPR, Speedvision and ESPN.

Sirius is live, dynamic entertainment, completely focused on listeners. Every minute of every day of every week will be different. All 50 commercial-free music channels are created in-house and hosted by DJs who know and love the music. Do you like Reggae? How about Classic Rock or New Rock? Sirius has an array of choices spanning a vast range of musical tastes including the hits of the 50's, 60's, 70's, & 80's as well as Jazz, Country, Blues, Pop, Rap, R&B, Bluegrass, Alternative, Classical, Heavy Metal, Dance and many others...

From its state-of-the-art, digital broadcasting facility in Rockefeller Center, New York City, Sirius will deliver the broadest, deepest mix of radio entertainment from coast to coast.

Sirius will bring you music and entertainment programming that is simply not available on traditional radio in any market across the country. It's radio like you've never heard before.

So Get Sirius and Listen Up! For more information, visit siriusradio.com.

To receive Sirius Satellite Radio on this receiver

This receiver contains a SIRIUS ID for user identification. All you have to do to obtain a subscriber contract and enable reception of Sirius Satellite Radio is to call the Sirius Service Center (1-888-539-SIRIUS (7474), online at siriusradio.com) and inform us of your SIRIUS ID and a few other details.

Verifying your SIRIUS ID

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**] or [**▶▶|**] button to select "**SID DISP**".
3. Press the [**▶||**] button to display the SIRIUS ID.

   The source unit displays the high-order 6 digits of the SIRIUS ID in the Operation status indication.
4. Turn the [**ROTARY**] knob clockwise to change the low-order 6 digits of the SIRIUS ID.

   To display the high-order 6 digits of the SIRIUS ID again, turn the [**ROTARY**] knob counterclockwise.

Selecting Satellite mode

Press the [**SRC**] button to select the Satellite mode.

The Satellite indication lights entering the mode that was engaged when the unit was turned off last time.

Selecting a band

Press the [**BND**] button to select a band.

Each press of the button changes the display as shown below.

SR1 ➜ SR2 ➜ SR3 ➜ SR1 ...

* The currently received band is displayed in the function mode indication.
* Models without a function mode indication display the band name and channel number in the Operation status indication.

● Information displayed during reception

The following information is displayed in the Operation status indication when Sirius Radio cannot be received normally.

- **UPDATING** : when the receiver is turned on the first time or after a reset
- **LINKING** : when a channel is being tuned in (no signal is yet received), or an antenna issue exists.
- **INVLD CH** : a channel without a broadcast has been selected, or the receiver may not be activated.
- **"CALL 888"→"539-SIRI"** : a channel not covered by your contract
  Call Sirius Service Center (1-888-539-SIRIUS (7474)).
  Online at siriusradio.com

Switching the display

1. Press the [**DISP**] button to select the sub display.
2. In the sub display, press and hold the [**DISP**] button for 1 second or longer to cycle between the following display modes:

   Channel name ➜ title ➜ artist name ➜ category name ➜ text ➜ channel name ➜ ...

Notes:

- *The Operation status indication of the source unit displays the abbreviated channel name for 2 seconds when a station is selected before returning to the previous display mode.*
- *Scrolling starts when the channel name or other text has been displayed for 2 seconds. When scrolling finishes, the first text display appears. To start scrolling again, press the [T] button.*

Channel selection

Channels are selected with the following buttons.

- The [|◀◀] or [▶▶|] button
- The [**DIRECT**] buttons
- The [▶II] button
- The [**P/A**] button

For details, see the following operation descriptions.

Note:

- *The audio output is muted and other button operations are not accepted during channel selection.*

Tuning

There are 3 types of tuning mode available, seek tuning, manual tuning and preset tuning.

Seek tuning

Only channels that can be received are selected while channels without broadcasts and channels not covered by the contract are automatically skipped.

1. Press the [|◀◀] or [▶▶|] button.
   The receiver seeks the next available channel below or above the current channel.
2. Press and hold the [|◀◀] or [▶▶|] button.
   The receiver moves to seek channels below or above the current channel. If the channel found when either button is released is available that channel is received. Otherwise, seeking continues until an available channel is found.

Manual tuning

Any channel including channels without broadcasts and channels not covered by the contract can be selected during manual tuning.

1. Press and hold the [**BND**] button for 1 second or longer.
   * This changes the seek mode to manual mode and the "**MANU**" indicator on the display lights. When this operation is performed in manual mode, the seek mode is engaged and the "**MANU**" indicator on the display goes off.

Note:

- *The receiver automatically reverts to the seek mode when the [|◀◀] or [▶▶|] button is not used for 7 seconds in the manual mode.*

2. Press the [|◀◀] or [▶▶|] button. The receiver moves to channels above or below the current channel one by one.
3. Press and hold the [|◀◀] or [▶▶|] for 1 second or longer.
   The receiver moves to seek channels below or above the current channel and the channel found when either button is released is received.

Recalling a preset channel

A total of 18 SIRIUS channels can be stored (6-SR1, 6-SR2 and 6-SR3). This allows you to select your favorite SIRIUS channels and store them in memory for later recall.

1. Press the [**BND**] button and select the desired SIRIUS band (SR1, SR2 or SR3).
2. To recall a stored SIRIUS channel, press the desired [**DIRECT**] button to select that channel.
   * Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current channel into preset memory.

Manual memory

1. Select the desired channel with seek tuning, manual tuning or preset tuning.
2. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current channel into preset memory.

Notes:

- *When the name of a channel stored in memory is changed by a broadcasting channel, the display may show a channel name that differs from the stored name.*
- *A channel stored in memory may be discontinued at the option of the broadcasting channel.*

Category selection function

SIRIUS Radio allows you to select broadcast channel category (contents).

Receiving channels selected by category

This starts seek tuning and broadcast channels that meet the specified category are selected. The "**CAT**" indicator is displayed during the category selection mode.

1. Press the [▶II] button to enter the category selection mode.
2. Turn the [**ROTARY**] knob clockwise or counterclockwise to select a category. Or, press a [**DIRECT**] button if the category is preset.
   * When 1 second has passed after selecting the category, UP SEEK is automatically performed, and a channel of the selected category is received. You can also perform seeking by using the [|◀◀] or [▶▶|] button.
3. Press the [▶II] button again to cancel.

Notes:

- *When the category selection mode is entered, the category of the last received channel is displayed first.*
- *The category selection mode is canceled when no channel with the selected category can be found.*
- *Press the [|◀◀] or [▶▶|] button within 7 seconds after a channel has been set to continue seeking channels up or down. The category selection mode is canceled and normal reception is resumed if no operation is performed for 7 seconds.*

Presetting a category

A category can be preset by registering specific categories in [**DIRECT**] buttons 1 to 6. Then the desired category can be recalled by pressing the corresponding [**DIRECT**] button.

1. Press the [▶II] button to enter the category mode.
2. Turn the [**ROTARY**] knob clockwise or counterclockwise to select a category.
3. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current category into preset memory.

Notes:

- *When the name of a channel stored in memory is changed by a broadcasting channel, the display may show a channel name that differs from the stored name.*
- *A channel stored in memory may be discontinued at the option of the broadcasting channel.*

Scan function

There are two scan modes: a category scan mode and a preset scan mode.

During scanning, channels are displayed in abbreviated form and the display mode cannot be switched.

● Category scanning

In a category scan, broadcast channels in the same category as the current channel are selected about every 10 seconds.

1. Press the [**P/A**] button to start a category scan.
2. Press the [**P/A**] button, a [**DIRECT**] button, the [|◀◀] or [▶▶|] button to cancel a category scan.

Note:

- *Category scanning is not available when no category is defined for the current channel.*

● Preset scan

A preset scan scans the channels (up to 18 channels) stored in the preset memory about every 10 seconds.

1. Press and hold the [**P/A**] button for 1 second or longer to start a preset scan.
2. Press the [**P/A**] button, a [**DIRECT**] button, the [|◀◀] or [▶▶|] button to cancel a preset scan.

iPod Operations

Connecting the iPod CeNET Controller allows you to operate your iPod from the operation panel of this unit. This unit has the iPod MENU mode which allows you to operate by the same feeling as operating on the iPod.

In the iPod mode, this system considers all the tracks stored in the iPod as one album when selecting tracks or playing them back. To search tracks by the album title or the artist name by the similar operations from the Music menu of the iPod, see "Operations in the iPod MENU mode".

Notes on using iPod

You can connect the following iPods:

- iPod G3 Ver. 2.3 or higher
- iPod G4 Ver. 3.1 or higher
- iPod Photo Ver. 1.2 or higher (Images cannot be displayed.)
- iPod mini Ver. 1.4 or higher
- iPod nano Ver. 1.0 or higher

Notes:

- *iPod shuffle cannot be connected.*
- *When the iPod is connected, the operations on the iPod are prohibited.*
- *The characters that can be displayed are alphanumeric characters only. 2-byte characters cannot be displayed.*

Selecting iPod mode

Press the [**SRC**] button to select the iPod mode.

Note:

- *When "**NO IPOD**" is displayed, check whether the connectors of the iPod and iPod CeNET Controller are correctly connected.*

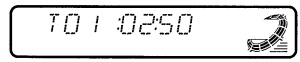
Switching the display

Press the [**DISP**] button to select the desired display.

Each time you press the [**DISP**] button, the display switches in the following order:

Play time display

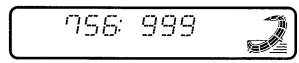
The current track number and play time are displayed.



↓

Number of tracks display

The number of tracks in the Music menu currently played back and the current track number are displayed.



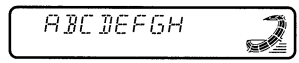
↓

Title display

The album title, artist name and song title of the current track are displayed.

Press and hold the [**DISP**] button for 1 second or longer while the title is displayed switches the title display as follows:

ALBUMS ➜ ARTISTS ➜ SONGS ➜ ALBUMS ➜ ...



↓

Play time display

Note:

- *Title characters which cannot be displayed by this unit are displayed with "*".*

Pausing play

1. Press the [▶II] button during playback. The playback is paused.
2. To resume playback, press the [▶II] button again.

Selecting a track

●Track-up

1. Press the [▶▶|] button during playback to move ahead to the beginning of the next track.

●Track-down

1. Press the [|◀◀] button during playback to move back to the beginning of the current track.
2. Press the [|◀◀] button again within 2 seconds after the beginning of the track to move to the beginning of the previous track.

Fast-forward/fast-rewind

●Fast-forward

Press and hold the [▶▶|] button for 1 second or longer during playback.

●Fast-rewind

Press and hold the [|◀◀] button for 1 second or longer during playback.

All play

This plays back all the tracks. It corresponds to the iPod operation of playing back tracks sequentially by selecting **"Music"** ➜ **"Songs"** from the menu of the iPod.

1. Press and hold the [**BND**] button for 1 second or longer.
   It changes to the ALL PLAY mode, and all the tracks stored in the iPod are played back sequentially.

Repeat play

This repeat playback of the track currently played back. It corresponds to the iPod operation of selecting **"Settings"** ➜ **"Repeat (one)"** from the menu of the iPod.

1. Press the [**RPT**] button.
2. To cancel the repeat playback, press the [**RPT**] button again.

All repeat play

This repeat playback of the all tracks. It corresponds to the iPod operation of selecting **"Settings"** ➜ **"Repeat (ALL)"** from the menu of the iPod.

1. Press and hold the [**RPT**] button for 1 second or longer.
2. To cancel All repeat playback, press the [**RPT**] button again.

Random play

This specifies random playback of the tracks included in the album. It corresponds to the iPod operation of selecting **"Settings"** ➜ **"Shuffle (Albums)"** from the menu of the iPod.

1. Press the [**RDM**] button.
2. To cancel the random playback, press the [**RDM**] button again.

All random play

This specifies random playback of all the tracks. It corresponds to the iPod operation of selecting **"Settings"** ➜ **"Shuffle (Songs)"** from the menu of the iPod.

1. Press and hold the [**RDM**] button for 1 second or longer.
2. To cancel the All random playback, press the [**RDM**] button again.

Selecting tracks in the iPod MENU mode

In the iPod mode, you can select tracks by the album title or artist name by the similar operations on the iPod as well as the iPod Music menu.

Notes:

- *If you do not operate for 10 seconds or longer after switching to the iPod MENU mode, the iPod MENU mode is canceled, and it changes to the general iPod mode.*
- *In the iPod MENU mode, you cannot specify the fast-forward, fast-backward, repeat and random playback.*

1. Press the [**BND**] button in the iPod mode.
   * The **"CAT"** indicator is lit when the system enters in the iPod MENU mode. Press the [**BND**] button again to return to the iPod mode.
2. Turn the [**ROTARY**] knob to select the menu, then press the [▶▶|] button. Or, press either of the [**DIRECT**] (1 to 6) button.
   [**DIRECT**](1) **"P-LISTS"**
   [**DIRECT**](2) **"ARTISTS"**
   [**DIRECT**](3) **"ALBUMS"**
   [**DIRECT**](4) **"SONGS"**
   [**DIRECT**](5) **"GENRES"**
   [**DIRECT**](6) **"COMPOSER"**

iPod Operations

3. Turn the [**ROTARY**] knob to select the menu, then press the [▶▶|] button. Select tracks by repeating this operation.

Notes:

- *The number of repeating operation is differ depending to the selected menu.*
- *To return to the previous list, press the [|◀◀] button. However, you cannot return to the menu of the step 2. Perform the operation from the step 1 again.*

CD Changer Operations

English

CD changer functions

When an optional CD changer is connected through the CeNET cable, this unit controls all CD changer functions. This unit can control a total of 2 changers.

Press the [**SRC**] button and select the CD changer mode to start play. If 2 CD changers are connected, press the [**SRC**] button to select the CD changer for play.

* If "**NO MAG**" appears in the display, insert the magazine into the CD changer. "**DISC CHK**" appears in the display while the player loads (checks) the magazine.
* If "**NO DISC**" appears in the display, eject the magazine and insert discs into each slot. Then, reinsert the magazine back into the CD changer.

Note:

- *Some CDs recorded in CD-R/CD-RW mode may not be usable.*

⚠CAUTION

Depending on the recording format, CD-ROM discs may not play properly.

Pausing play

1. Press the [▶II] button to pause play. "**PAUSE**" appears in the display.
2. To resume CD play, press the [▶II] button again.

Selecting a CD

1. Press the [**UP**] or [**DN**] button to select the desired disc.
   * If a CD is not loaded in a slot of magazine, pressing the [**UP**] or [**DN**] button can not work.

Selecting a track

●Track-up

1. Press the [▶▶|] button to move ahead to the beginning of the next track.
2. Each time you press the [▶▶|] button, the track advances ahead to the beginning of the next track.

●Track-down

1. Press the [|◀◀] button to move back to the beginning of the current track.
2. Press the [|◀◀] button twice to move to the beginning of the previous track.

Fast-forward/fast-rewind

● Fast-forward

Press and hold the [▶▶|] button for 1 second or longer.

● Fast-rewind

Press and hold the [|◀◀] button for 1 second or longer.

Scan play

Scan play locates and plays the first 10 seconds of each track on a disc automatically. This function continues on the disc until it is cancelled.

* The scan play is useful when you want to select a desired track.

1. Press the [**SCN**] button.
2. To cancel the scan play, press the [**SCN**] button again.

Disc scan play

Disc scan play locates and plays the first 10 seconds of the first track on each disc in the currently selected CD changer. This function continues automatically until it is cancelled.

* Disc scan play is useful when you want to select a desired CD.

1. Press and hold the [**SCN**] button for 1 second or longer.
2. To cancel disc scan play, press the [**SCN**] button again.

Repeat play

Repeat play continuously plays the current track. This function continues automatically until it is cancelled.

1. Press the [**RPT**] button.
2. To cancel repeat play, press the [**RPT**] button again.

Disc repeat play

After all the tracks on the current disc have been played, disc repeat play automatically replays the current disc over from the first track. This function continues automatically until it is cancelled.

1. Press and hold the [**RPT**] button for 1 second or longer.
2. To cancel disc repeat play, press the [**RPT**] button again.

Random play

Random play selects and plays individual tracks on the disc in no particular order. This function continues automatically until it is cancelled.

1. Press the [**RDM**] button.
2. To cancel random play, press the [**RDM**] button again.

Disc random play

The disc random play selects and plays individual tracks or discs automatically in no particular order. This function continues automatically until it is cancelled.

1. Press and hold the [**RDM**] button for 1 second or longer.
2. To cancel disc random play, press the [**RDM**] button again.

TV Operations

TV tuner functions

When an optional TV tuner is connected through the CeNET cable, this unit controls all TV tuner functions. To watch TV requires a TV tuner and monitor.

Watching a TV

1. Press the [**SRC**] button and select the TV mode.
2. Press the [**BND**] button to select the desired TV band (TV1 or TV2). Each time the button is pressed, the input selection toggles between TV1 and TV2.
3. Press the [|◀◀] or [▶▶|] button to tune in the desired TV station.

Watching a video

The TV tuner has a VTR input terminal to which 1 external device can be connected. Connect a 12 V video cassette player (VCP) or video cassette recorder (VCR) to the TV tuner input terminal.

1. Press the [▶II] button to select VTR.
2. To return to the TV broadcast, press the [▶II] button.

TV tuning

There are 3 types of tuning mode available, seek tuning, manual tuning and preset tuning.

Seek tuning

1. Press the [**BND**] button and select the desired TV band (TV1 or TV2).
   * If "**MANU**" is lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" in the display goes off, and seek tuning is now available.
2. Press the [|◀◀] or [▶▶|] button to automatically seek a station. Press the [▶▶|] button to automatically tune up the frequency band to the next available TV station; press the [|◀◀] button to automatically tune down.

Manual tuning

There are 2 manual tuning methods available: Quick tuning and step tuning.

When you are in the step tuning mode, the frequency changes one step at a time. In the quick tuning mode, you can quickly tune the desired frequency.

1. Press the [**BND**] button and select the desired band (TV1 or TV2).
   * If "**MANU**" is not lit in the display, press and hold the [**BND**] button for 1 second or longer. "**MANU**" lights in the display and manual tuning is now available.
2. Tune in a station.

● **Quick tuning:**

Press and hold the [|◀◀] or [▶▶|] button for 1 second or longer to tune in a station.

● **Step tuning:**

Press the [|◀◀] or [▶▶|] button to manually tune in a station.

Recalling a preset station

A total of 12 TV stations can be stored (6-TV1 and 6-TV2). This allows you to select your favorite TV stations and store them in memory for later recall.

1. Press the [**BND**] button and select the desired TV band (TV1 or TV2).
2. To recall a stored TV station, press the desired [**DIRECT**] button to select that station.
   * Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current station into preset memory.

Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.
2. Press and hold one of the [**DIRECT**] buttons for 2 seconds or longer to store the current station into preset memory.

Auto store

Auto store selects 6 TV stations automatically and stores each one into preset memory.

If there are not 6 stations with good reception, stations previously stored in memory remain and only the strong stations are stored into memory.

1. Press the [**BND**] button and select the desired TV band (TV1 or TV2).
2. Press and hold the [**P/A**] button for 2 seconds or longer. The stations with good reception are stored automatically to the preset channels.

Preset scan

Preset scan allows the user to view each preset position before it automatically advances to the next preset. This function is useful for searching for a desired TV station in memory.

1. Press the [**P/A**] button.
2. When the desired station is found, press the [**P/A**] button again to remain tuned to that station.

Note:

- *Do not press and hold the [**P/A**] button for 2 seconds or longer. Doing so will trigger the auto store function and start storing stations into memory.*

Setting the TV area

When you select the TV area (TV reception area), the TV tuner area setting changes.

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**] or [**▶▶|**] button to select "**TV AREA**".
3. Press the [**▶II**] button.
4. Turn the [**ROTARY**] knob to select the reception area.
5. Press the [**▶II**] button.
6. Press the [**T**] button to return to the previous mode.

The above operations are required when a TV tuner other than TTX7501z is connected.

Setting the TV diver

You can change the reception setting for the TV antenna connected to the TV tuner.

1. Press and hold the [**T**] button for 1 second or longer to switch to the adjustment selection display.
2. Press the [**|◀◀**] or [**▶▶|**] button to select "**TV DIVER**".
3. Turn the [**ROTARY**] knob clockwise to set to "**ON**" or counterclockwise to set to "**OFF**".

   ● **ON:**

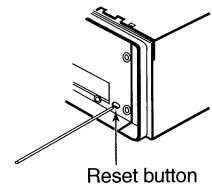
   Sets reception emphasizing the visual.

   ● **OFF:**

   Sets the diver setting to OFF.
4. Press the [**T**] button to return to the previous mode.

9. TROUBLESHOOTING

English

	Problem	Cause	Measure
General	Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
		Incorrect wiring.	Consult your store of purchase.
	No sound output when operating the unit with amplifiers.	Amplifier turn-on lead is shorted to ground or excessive current is required.	Turn the unit off and check each wire for a possible short. If the amplifier turn-on lead shorts out, cover it with insulation such as tape.
	Nothing happens when buttons are pressed.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press the [**RELEASE**] button and remove the DCP. Press the reset button for about 2 seconds with a thin rod.  Reset button
	Display is not accurate	DCP or source unit connectors are dirty.	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
	No audio.	The speaker protection circuit is operating.	1. Check the speaker connection. 2. Turn down sound volume. Function can also be restored by turning the power off and on again. 3. If the sound is muted again, consult your store of purchase.
CD	Compact disc cannot be loaded.	Another compact disc is already loaded.	Eject the compact disc before loading the new one.
	Sound skips or is noisy.	Compact disc is dirty.	Clean the compact disc with a soft cloth.
		Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens.	Let dry for about 1 hour with the power on.
CeNET	Source selection does not recognize CeNET source connection.	The microprocessor has not stored the proper CeNET information.	Perform a system check. See "**Operations Common to Each Mode**", performing a system check section.
		The CeNET cable is not connected properly.	Ensure the CeNET cables are properly connected.

English

10. ERROR DISPLAYS

If an error occurs, one of the following displays is displayed.
Take the measures described below to eliminate the problem.

	Error Display	Cause	Measure
CD	**ERROR 2**	A CD is caught inside the CD deck and is not ejected.	This is a failure of CD deck's mechanism. Consult your store of purchase.
	ERROR 3	A CD cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	ERROR 6	A CD is loaded upside-down inside the CD deck and does not play.	Eject the disc, then reload it properly.
iPod	**NO IPOD**	A communication error occurs between the iPod and the iPod CeNET Controller.	Disconnect the iPod, then connect it again.
CD changer	**ERROR 2**	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism. Consult your store of purchase.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc, then reload it properly.

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power and consult your store of purchase.

11. SPECIFICATIONS

English

Source unit harness wire connections

Wire Color	Function
Yellow	+12V DC Constant Power Source/Memory
Red	+12V DC Switch Lead/ Accessory
Black	Ground
Blue/White	Amplifier Remote Turn-on
Grey	Right Front Speaker (+)
Grey/Black	Right Front Speaker (–)
White	Left Front Speaker (+)
White/Black	Left Front Speaker (–)
Purple	Right Rear Speaker (+)
Purple/Black	Right Rear Speaker (–)
Green	Left Rear Speaker (+)
Green/Black	Left Rear Speaker (–)

RCA Connections

Wire Color	Function
Grey/Red	Right Front Line Level Output (Full range)
Grey/White	Left Front Line Level Output (Full range)
Black/Red	Right Rear Line Level Output (Full range or Sub woofer)
Black/White	Left Rear Line Level Output (Full range or Sub woofer)
Red/Red	Right Auxiliary Input
Red/White	Left Auxiliary Input

FM Tuner

Frequency Range:
U.S.A : 87.9 MHz to 107.9 MHz
Europe : 87.5 MHz to 108.0 MHz
Australia : 87.0 MHz to 108.0 MHz

Usable Sensitivity: 9 dBf

50dB Quieting Sensitivity: 15 dBf

Alternate Channel Selectivity: 70 dB

Stereo Separation (1 kHz): 35 dB

Frequency Response (±3 dB): 30 Hz to 15 kHz

AM Tuner

Frequency Range:
U.S.A : 530 kHz to 1710 kHz
Europe : 531 kHz to 1602 kHz
Australia : 531 kHz to 1629 kHz

Usable Sensitivity: 25 µV

CD Player

System: Compact disc digital audio system

Usable Discs: Compact disc

Frequency Response (±1 dB): 10 Hz to 20 kHz

Signal to Noise Ratio (1 kHz): 100 dB

Dynamic Range (1 kHz): 95 dB

Harmonic Distortion: 0.01%

Audio

Maximum Power Output: 208 W (52 W × 4 ch)

Bass Control Action (60 Hz/100 Hz/200 Hz): ±15 dB

Treble Control Action (10 kHz/15 kHz): ±12 dB

Line Output Level (CD 1 kHz): 2 V

General

Power Supply Voltage: 14.4 V DC
(10.8 to 15.6 V allowable), negative ground

Current Consumption: Less than 15 A

Speaker Impedance: 4 Ω (4 Ω to 8 Ω allowable)

Weight / Source unit: 2.64 lb. (1.2 kg)

Dimensions / Source unit:
7" (Width) × 2" (Height) × 6-1/8" (Depth)
[178 (W) × 50 (H) × 155 (D) mm]

Power Output :
19 W RMS x 4 Channels at 4 Ω and 1 % THD+N

Signal to Noise Ratio:
80 dBA (reference: 1 W into 4 Ω)

Amplifier Power Standard
CEA
CEA-2006 Compliant

Note:

- *Specifications and design are subject to change without notice for further improvement.*

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clarion MARINE

Installation/Wire Connection Guide / Manuel d'installation et de connexion Guía de instalación/conexión de cables / Guida all'installazione/collegamento dei fili

English Français Español Italiano

1. BEFORE STARTING / PRÉPARATIFS / ANTES DE COMENZAR / PRIMA DI COMINCIARE

English

1. Read the instructions carefully.
2. This unit is designed for use in marine applications with a 12V power supply, negative ground.
3. Be sure to disconnect the battery's "⊖" terminal before beginning the installation. This is to prevent short-circuiting. (Figure 1)
4. Prepare all articles necessary for installing the source unit before beginning.
5. Install the unit within 30° of the horizontal plane. (Figure 2)
6. To avoid liquid damage to the internal components, take caution in selecting an appropriate mounting location. Areas below cup holders and those in contact with direct splash must be avoided.
7. If any modification to the boat is required, such as drilling holes, etc., consult your boat dealer or manufacturer beforehand.
8. Use the included screws for installation. Using other screws can result in damege. (Figure 3)

Français

1. Lisez attentivement les instructions.
2. L'appareil est conçu pour les applications marines avec alimentation de 12 V à masse négative.
3. Raccordez bien la borne "⊖" de la batterie avant de procéder à l'installation. Ceci a pour but d'éviter les courts-circuits. (Figure 1)
4. Préparer tous les articles nécessaires à l'installation de l'appareil pilote avant de commencer.
5. Installez l'appareil dans un rayon de 30° maximum par rapport à l'horizontale. (Figure 2)
6. Pour éviter tout dommage par liquide des composants internes, faites attention lors de la sélection de l'emplacement de montage. Evitez les zones situées sous les porte-verre et celles en contact avec les éclaboussures directes.
7. Si vous devez modifier le bateau, par exemple en perçant des trous, etc., consultez au préalable le revendeur ou le fabricant du bateau.
8. Utilisez les vis fournies pour l'installation. L'utilisation d'autres vis risque d'entraîner des dommages. (Figure 3)

Español

1. Lea cuidadosamente las instrucciones.
2. Esta unidad ha sido diseñada para utilizarse en embarcaciones con fuente de alimentación de 12 V con negativo a masa.
3. Antes de comenzar la instalación, cerciórese de desconectar el terminal "⊖" de la batería. Esto es para evitar cortocircuitos. (Figura 1)
4. Antes de comenzar, prepare todos los artículos necesarios para la instalación de la unidad fuente.
5. Instale la unidad dentro de un ángulo de inclinación de 30° del plano horizontal. (Figura 2)
6. Para evitar el daño que podrían provocar los líquidos en los componentes internos, tenga cuidado al elegir la ubicación de montaje apropiada. Evite lugares situados debajo de portavasos y expuestos a salpicaduras.
7. Si es necesario realizar cualquier modificación en la embarcación, como taladro, etc., consulte con antelación al proveedor o al fabricante de la misma.
8. Para la instalación, utilice los tornillos suministrados. La utilización de otros podría resultar en daños. (Figura 3)

Italiano

1. Leggere attentamente le istruzioni.
2. Questa unità è stata progettata per l'uso in applicazioni marittime con una fonte di alimentazione da 12 V a massa negativa.
3. Assicurarsi di scollegare il terminale "⊖" della batteria prima di iniziare l'installazione. Questo serve ad evitare cortocircuiti. (Figura 1)
4. Preparare tutti gli elementi necessari per l'installazione dell'unità di fonte prima di cominciare.
5. Installare l'unità entro 30° dal piano orizzontale. (Figura 2)
6. Per evitare danni ai componenti interni causati da liquidi, fare attenzione nel selezionare una posizione di montaggio appropriata. Le aree sotto portabicchieri e quelle in contatto con spruzzi diretti vanno evitate.
7. Se sono necessarie modifiche alla barca, come trapanatura di fori, ecc., consultare prima il rivenditore o fabbricante della barca.
8. Usare le viti in dotazione per l'installazione. L'uso di altre viti può causare danni. (Figura 3)

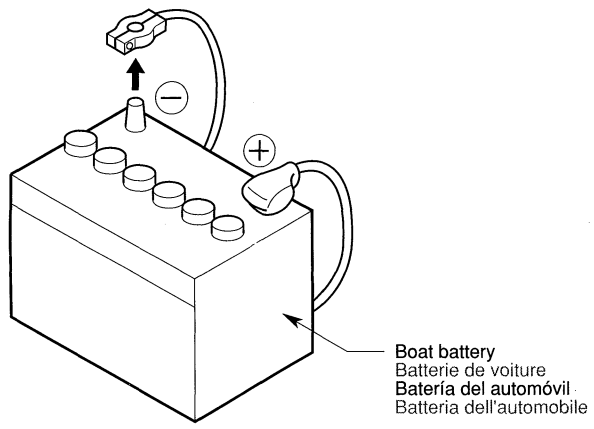


Figure 1 / Figure 1 / **Figura 1** / Figura 1

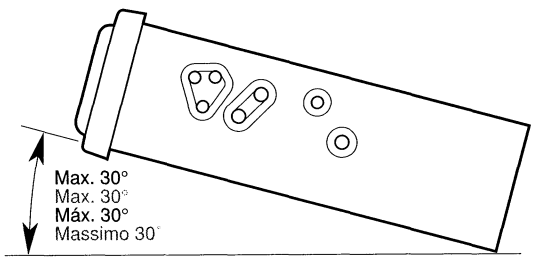
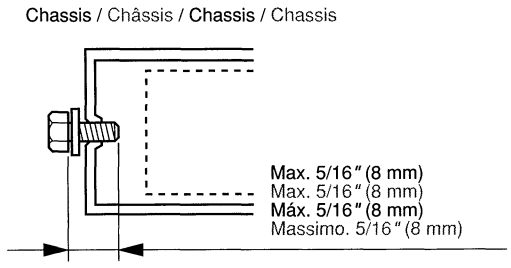


Figure 2 / Figure 2 / **Figura 2** / Figura 2



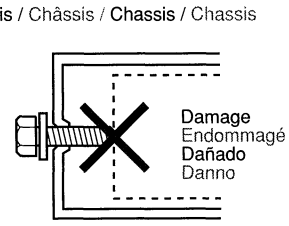


Figure 3 / Figure 3 / **Figura 3** / Figura 3

English Français Español Italiano

2. INSTALLING THE SOURCE UNIT / INSTALLATION DE L'APPAREIL PILOTE INSTALACIÓN DE LA UNIDAD FUENTE / INSTALLAZIONE DELL'UNITÀ

English

■ Universal Mount

1. Place the universal mounting bracket into the instrument panel, use a screwdriver to bend each stopper of the universal mounting bracket inward, then secure the stopper as shown in Figure 4.
2. Wire as shown in Section 7.
3. Insert the source unit into the universal mounting bracket until it locks.
4. Mount the outer escutcheon so that all the hooks are locked.

Notes:
1) Some boat models require special mounting kits for proper installation. Consult your store of purchase for details.
2) Fasten the front stopper securely to prevent the source unit from coming loose.

Français

■ Montage universel

1. Placer le support de montage universel dans le tableau de bord, utiliser un tournevis pour replier vers l'extérieur chaque languette du support de montage universel, puis fixer les languettes comme montré sur la Figure 4.
2. Câbler comme montré dans la section 7.
3. Insérer l'appareil pilote dans le support de montage universel jusqu'à ce qu'il soit bloqué.
4. Monter l'écusson extérieur de manière que tous les crochets soient verrouillés.

Remarques:
1) Certains modèles de bateaux nécessitent un kit de montage spécial pour une installation correcte. Consulter le magasin de l'achat pour les détails.
2) Serrer fermement la languette avant pour éviter que l'appareil pilote ne se desserre.

Español

■ Montaje universal

1. Coloque el soporte de montaje universal en el tablero de instrumentos, utilice un destornillador para doblar cada retén del soporte de montaje universal hacia adentro, y después asegure el retén como se muestra en la Figura 4.
2. Conecte los cables como se muestra en la Sección 7.
3. Inserte la unidad fuente en el soporte de montaje universal hasta que quede enganchada.
4. Coloque la pieza ornamental exterior de forma que todos los ganchos queden trabados.

Notas:
1) Algunos modelos de botes requieren de juegos de montaje especiales para su instalación apropiada. Para más detalles, consulte al establecimiento donde hizo la adquisición.
2) Apriete con seguridad los retenes delanteros para evitar que la unidad fuente se afloje.

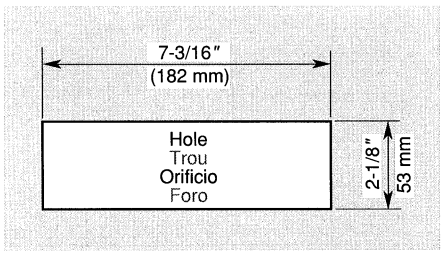
Italiano

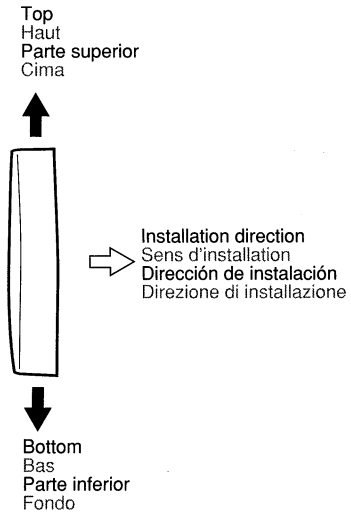
■ Montaggio universale

1. Collocare la plancia di montaggio universale nel pannello strumenti, usare un cacciavite per piegare verso l'interno ciascun fermo della plancia di montaggio universale e quindi fissare il fermo come mostrato nella Figura 4.
2. Collegare come illustrato nella Sezione 7.
3. Inserire l'unità di fonte nella staffa di montaggio universale fino a che si blocca.
4. Montare la cornice esterna in modo che tutti i ganci siano bloccati.

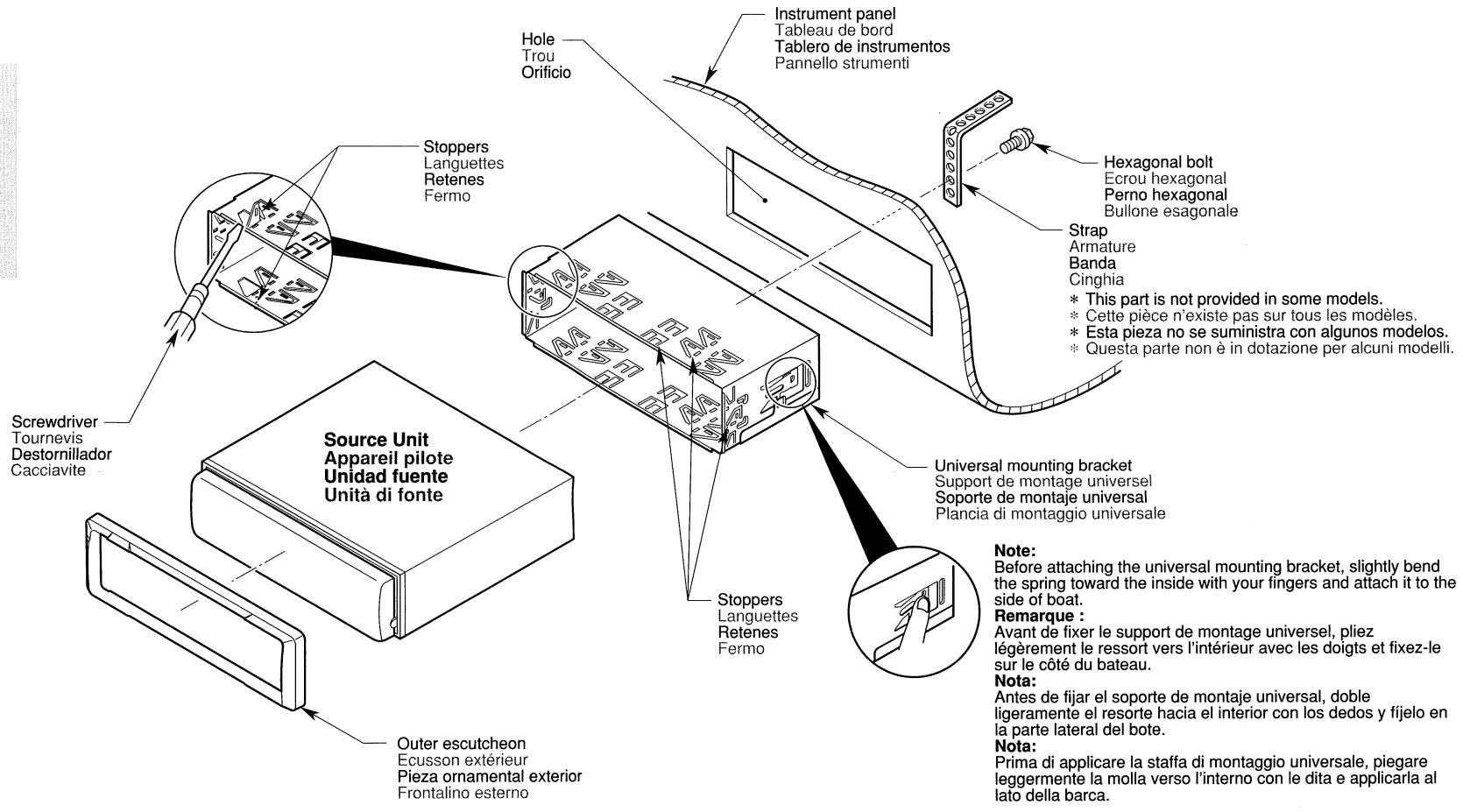
Nota:
1) Alcuni modelli di barca richiedono corredi di montaggio speciali per un'installazione corretta. Per maggiori dettagli, consultare il negozio di acquisto.
2) Fissare il fermo anteriore saldamente per evitare che l'unità di fonte si stacchi.

• Console opening dimensions
• Dimensions d'ouverture de la console
• Dimensiones de la abertura de la consola
• Dimensioni a console aperta





Outer escutcheon side view
Vue latérale de l'écusson extérieur
Vista lateral de la pieza ornamental exterior
Vista anteriore del frontalino esterno



Note:
Before attaching the universal mounting bracket, slightly bend the spring toward the inside with your fingers and attach it to the side of boat.
Remarque :
Avant de fixer le support de montage universel, pliez légèrement le ressort vers l'intérieur avec les doigts et fixez-le sur le côté du bateau.
Nota:
Antes de fijar el soporte de montaje universal, doble ligeramente el resorte hacia el interior con los dedos y fíjelo en la parte lateral del bote.
Nota:
Prima di applicare la staffa di montaggio universale, piegare leggermente la molla verso l'interno con le dita e applicarla al lato della barca.

Figure 4 / Figure 4 / **Figura 4** / Figura 4

English Français Español Italiano

3. REMOVAL OF THE SOURCE UNIT / DEPOSE DE L'APPAREIL PILOTE DESMONTAJE DE LA UNIDAD FUENTE / RIMOZIONE DELL'UNITÀ DI FONTE

English

1. When removing the source unit, disassemble it in the reverse of the order in Section "2. INSTALLING THE SOURCE UNIT".
2. Press the outer escutcheon upward and remove it (Figure 5).
3. Insert and lock the hook plates (Figure 6).
4. Pull the hook plates to remove the source unit.

Français

1. Lors de la dépose de l'appareil pilote, démonter dans l'ordre inverse de la Section "2. INSTALLATION DE L'APPAREIL PILOTE".
2. Presser l'écusson extérieur vers le haut et le retirer (Figure 5).
3. Insérer et verrouiller les plaques à crochet (Figure 6).
4. Tirer sur les plaques à crochet pour retirer l'appareil pilote.

Español

1. Para desmontar la unidad fuente, realice el procedimiento inverso al de la Sección "2. INSTALACIÓN DE LA UNIDAD FUENTE".
2. Presione la pieza ornamental exterior hacia afuera y extráigala (Figura 5).
3. Inserte y bloquee las placas de enganche (Figura 6).
4. Tire de las placas de enganche para extraer la unidad fuente..

Italiano

1. Quando si rimuove l'unità di fonte, smontarla seguendo in ordine inverso il procedimento della sezione "2. INSTALLAZIONE DELL'UNITÀ DI FONTE".
2. Premere la cornice esterna verso l'alto e rimuoverla (Figura 5).
3. Inserire e bloccare le linguette (Figura 6).
4. Tirare le linguette per rimuovere l'unità di fonte.

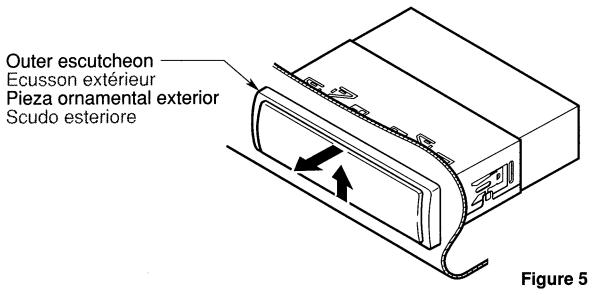


Figure 5 / Figure 5 / **Figura 5** / Figura 5

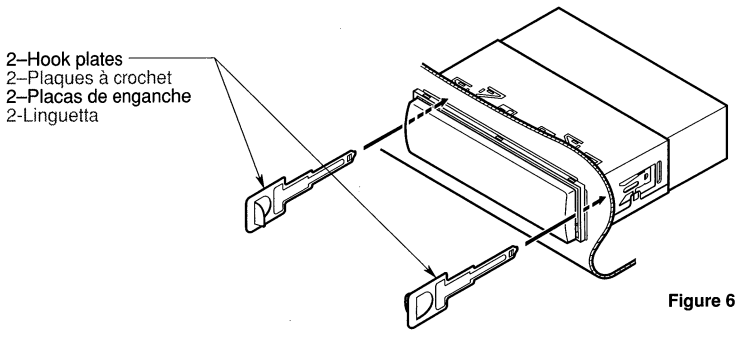


Figure 6 / Figure 6 / **Figura 6** / Figura 6

English Français Español Italiano

4. CAUTIONS ON WIRING / PRÉCAUTIONS AU SUJET DES CONNEXIONS PRECAUCIONES PARA LA CONEXIÓN DE CABLES / PRECAUZIONI RIGUARDANTI IL CABLAGGIO

English

1. Be sure to turn the power off when wiring.
2. Be particularly careful where you route the wires.
   Keep them well away from the engine, exhaust pipe, etc. Heat may damage the wires.
3. If the fuse should blow, check that the wiring is correct.
   If it is, replace the fuse with a new one with the same amperage rating as the original one.
4. To replace the fuse, open the lock on the source unit side, remove the old fuse and insert the new one. (Figure 7)
   * There are various types of fuse cases. Do not let the battery side terminal touch other metal parts.

Français

1. S'assurer de mettre l'appareil hors circuit avant de faire le câblage.
2. Faire particulièrement attention lors de l'acheminement des fils.
   Les éloigner du moteur, des tuyaux d'échappement, etc. La chaleur risque d'endommager ces fils.
3. Si le fusible saute, vérifier si le câblage est correct.
   Si le fusible est grillé, le remplacer par un fusible neuf de même ampérage que le fusible d'origine.
4. Pour remplacer le fusible, ouvrir le loquet sur le côté de l'appareil pilote, retirer l'ancien fusible et insérer le fusible neuf. (Figure 7)
   * Il existe plusieurs types de boîtiers à fusibles. Ne pas laisser la borne de batterie entrer en contact avec les autres pièces métalliques.

Español

1. Antes de hacer las conexiones, asegúrese de desconectar la alimentación de la unidad.
2. Sea especialmente cuidadoso al dirigir y fijar los cables.
   manténgalos alejados del motor, tubo de escape, etc. El calor puede dañar los cables.
3. Si el fusible se quema, revise las conexiones. Si está quemado, reemplace el fusible por otro nuevo con el mismo valor de amperaje que el original.
4. Para reemplazar el fusible, abra la tapa de la unidad fuente, retire el fusible antiguo e instale otro nuevo. (Figura 7)
   * Existen distintos tipos de cajas de fusibles. no permita que el terminal del lado de la batería quede en contacto con otras partes metálicas.

Italiano

1. Assicuratevi di spegnere la corrente prima di collegare i fili.
2. Fate particolare attenzione quando sistemate i fili.
   Teneteli lontani dal motore, dalla marmitta, ecc. Il calore potrebbe danneggiare i fili.
3. Nel caso in cui il fusibile dovesse saltare, controllate che il cablaggio sia corretto.
4. Per sostituire il fusibile, aprire il blocco sul lato dell'unità di fonte, rimuovere il fusibile vecchio e inserire uno nuovo. (Figura 7)
   * Esistono vari tipi di portafusibile. Evitare che il terminale del lato batteria venga in contatto con parti metalliche.

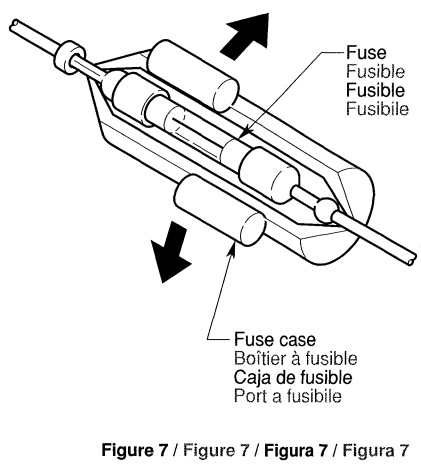


Figure 7 / Figure 7 / **Figura 7** / Figura 7

English Français Español Italiano

5. GENERAL CAUTIONS / PRÉCAUTIONS GÉNÉRALES / PRECAUCIONES GENERALES / PRECAUZIONI GENERALI

English

1. Do not open the case. There are no user serviceable parts inside. If you drop anything into the unit during installation, consult your store of purchase.
2. Use a soft, dry cloth to clean the case. Never use hard cloth, thinner, benzen, alcohol, etc. For tough dirt, apply a little cold or warm water to a soft cloth and wipe off the dirt gentry.

IMPORTANT:

Improper installation may cause damage to your unit or boat. If you do not have the appropriate experience, consult a qualified installer. Cutting chassis wire leads voids the warranty.

Français

1. Ne pas ouvrir le coffret. Il n'y a pas de pièces réparables par l'utilisateur à l'intérieur de l'appareil. Si un objet est tombé dans l'appareil pendant l'installation, consulter le magasin de l'achat.
2. Utiliser un chiffon doux et sec pour nettoyer le coffret, ne jamais utiliser un chiffon rigide, un diluant, du benzène, de l'alcool, etc. Pour enlever la saleté tenace, appliquer un peu d'eau froide ou tiède sur un chiffon doux et essuyer doucement la saleté.

IMPORTANT:

Une installation incorrecte peut endommager l'appareil ou le véhicule. Si l'on ne possède pas les connaissances requises, consulter un installateur qualifié. Couper le fil du châssis annule la garantie.

Español

1. No abra la caja. En el interior no hay piezas que pueda reparar el usuario. Si cae algo dentro de la unidad durante la instalación, consulte al establecimiento donde hizo la adquisición.
2. Para limpiar la caja, utilice un paño suave y seco. no use nunca un paño duro, diluidor de pintura, benceno, alcohol, etc. Para la suciedad resistente, aplique un poco de agua fría o caliente a un paño suave y frote suavemente la parte sucia.

IMPORTANTE:

La instalación inapropiada puede causar daños en su unidad o su automóvil. Si usted no posee la experiencia apropiada, consulte a un instalador cualificado. El corte de los conductores de puesta a masa (carrocería) anulará la garantía.

Italiano

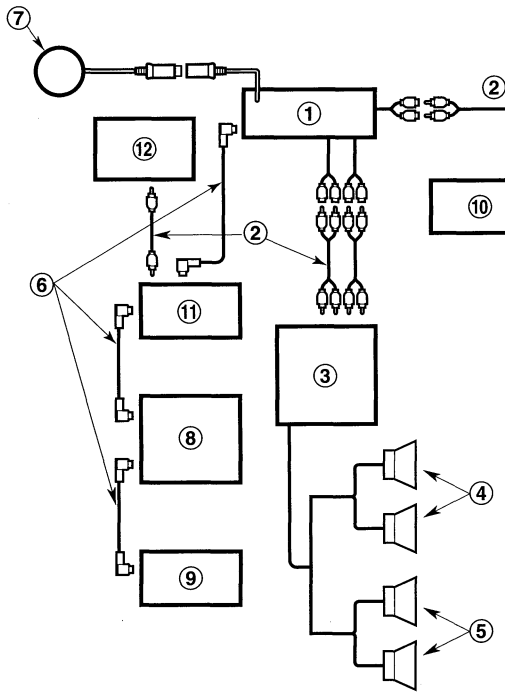
1. Non aprire il rivestimento. All'interno non esistono parti riparabili dall'utilizzatore. Se qualcosa cade nell'apparecchio durante l'installazione, consultare il negozio di acquisto.
2. Usare un panno morbido asciutto per pulire il rivestimento. Non usare mai panni ruvidi, solvente, benzina, alcool, ecc. Per sporco resistente, applicare un poco di acqua fredda o tiepida ad un panno morbido e togliere lo sporco delicatamente.

IMPORTANT:

Un'installazione impropria può causare danni all'apparecchio o alla barca. Se non si ha l'esperienza necessaria, consultare un tecnico qualificato. Il taglio del filo del telaio annulla la garanzia.

English Français Español Italiano

6. SAMPLE SYSTEMS / EXEMPLES DE SYSTÉMES / EJEMPLOS DE SISTEMAS / ESEMPIO DEL SISTEMA



Note:
Use a CeNET extension cable that is less than 20 m in length. (including the Y-adapter CCA-519.)
Remarque:
Utiliser un câble d'extension CeNET inférieur à 20 m de long (en comptant aussi l'adaptateur Y CCA-519).
Nota:
Utilice un cable prolongador CeNET de menos de 20 m de longitud (incluyendo el adaptador en Y CCA-519).
Nota:
Usare un cavo di prolunga CeNET di lunghezza inferiore a 20 metri (incluso l'adattatore a Y CCA-519).

English

①	Source unit
②	RCA extension cable (sold separately)
③	4-Channel power amplifier
④	Front speakers
⑤	Rear speakers
⑥	CeNET extension cable
⑦	Wired remote control unit
⑧	Sirius
⑨	CD changer
⑩	Extarnal unit
⑪	TV tuner module
⑫	Monitor

Français

①	Appareil pilote
②	Câble de rallonge RCA (vendu séparément)
③	Amplificateur de puissance 4 canaux
④	Haut-parleurs avant
⑤	Haut-parleurs arrière
⑥	Câble d'extension CeNET
⑦	Télécommande à fil
⑧	Sirius
⑨	Changeur de CD
⑩	Appareil externe
⑪	Module tuner TV
⑫	Moniteur

Español

①	Unidad fuente
②	Cable de extensión RCA
③	Amplificador de potencia de 4 canales
④	Altavoces delanteros
⑤	Altavoces traseros
⑥	Cable prolongador CeNET
⑦	Unidad de control remoto alámbrica
⑧	Sirius
⑨	Cambiador de discos compactos
⑩	Unidad externo
⑪	Módulo sintonizador de televisión
⑫	Monitor

Italiano

①	Unità di fonte
②	Cavo di prolunga RCA
③	Amplificatore di potenza a 4 canali
④	Altoparlanti anteriori
⑤	Altoparlanti posteriori
⑥	Cavo di prolunga CeNET
⑦	Unità di telecomando collegato via cavo
⑧	Sirius
⑨	Cambiatore CD
⑩	Unità esterna
⑪	Modulo sintonizzatore TV
⑫	Monitor

English Français Español Italiano

7. WIRE CONNECTIONS / CONNECTIQUE / CONEXIÓN DE CABLES / CONEXIONES

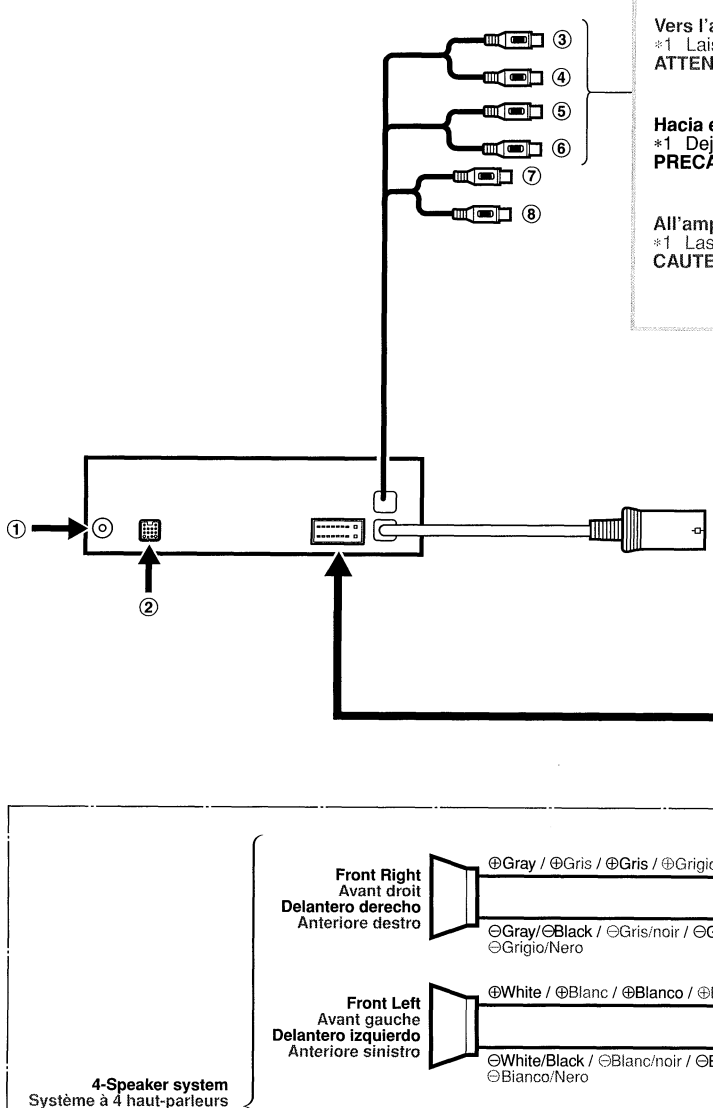
■ **Rear Layout**
■ **Disposition arrière**
■ **Disposición trasera**
■ **Disposizione sul retro**

To external amplifier
*1 Leave the protective caps on wire terminals which are not connected.
CAUTION: **Please make sure when connecting external power amplifier, that you properly, to the boat chassis, ground the amplifier. If this is not done, severe damage to the source unit may happen.**

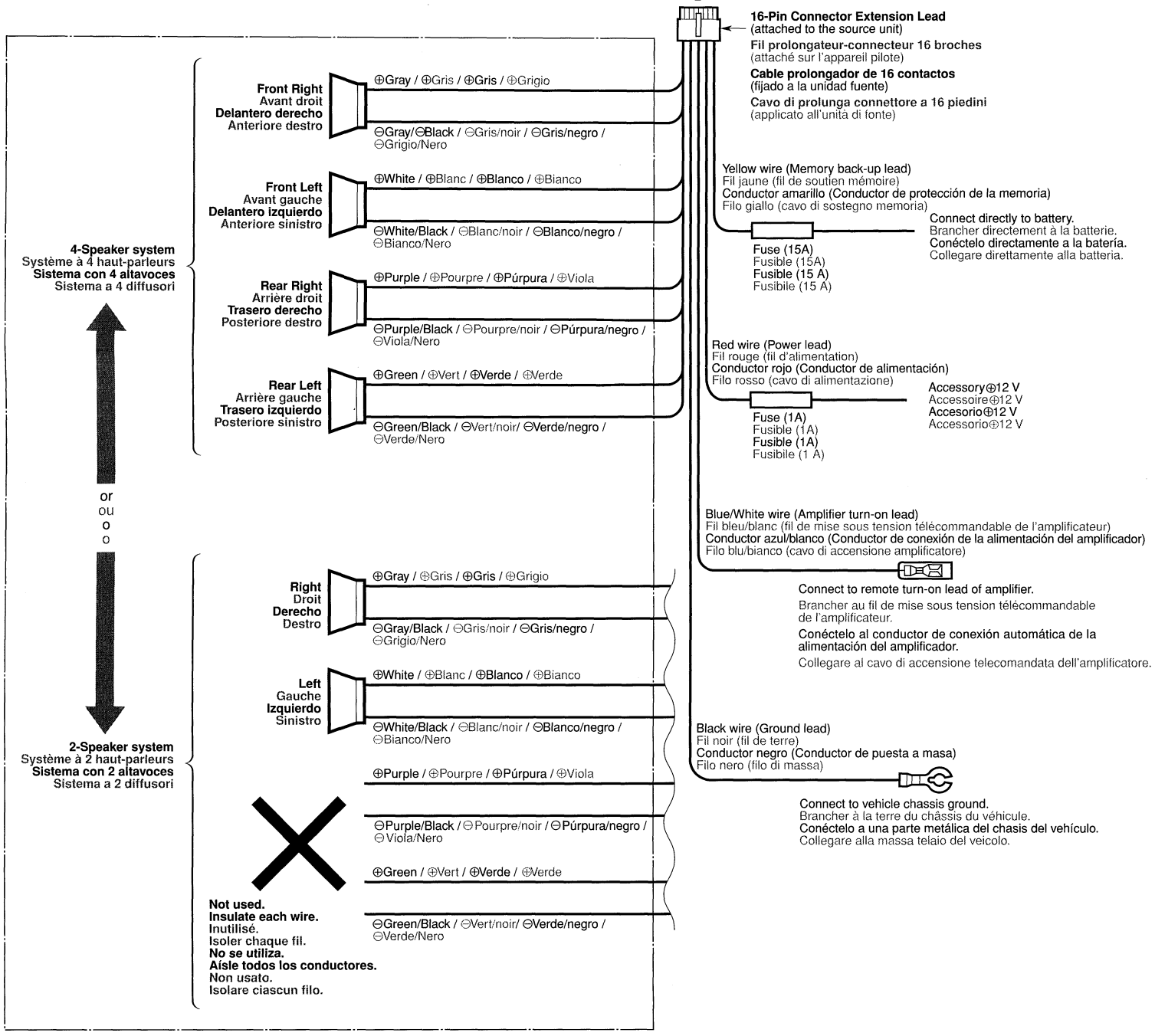
Vers l'amplificateur externe
*1 Laisser les capuchons de protection sur les bornes qui ne sont pas connectées.
ATTENTION: **Lorsque vous raccordez un ampli de puissance externe, faites bien attention à mettre correctement l'amplificateur à la masse sur le châssis de la bateau. Sinon, vous risquez d'endommager gravement l'appareil pilote.**

Hacia el amplificador externo
*1 Deje el capuchón protector en los cables que no estén conectados.
PRECAUCIÓN: **Cuando conecte un amplificador de potencia externo, cerciórese de ponerlo adecuadamente a masa en el chasis de su bote. Si no lo hiciese, la unidad fuente podría dañarse seriamente.**

All'amplificatore esterno
*1 Lasciare i cappucci protettivi sui terminali filo non utilizzati.
CAUTELA: **Assicurarsi, quando si collega l'amplificatore esterno, di collegare correttamente a massa l'amplificatore esterno al telaio della barca. Altrimenti si possono verificare seri danni all'unità di fonte.**



DIN CORD
Connect to external wired Remote Control Unit
CORDON DIN
Se raccorde à la télécommande à fil externe
CABLE DIN
Conéctelo al controlador remoto alámbrico externo
CAVO DIN
Collegare al telecomando con fili esterno


4-Speaker system
Système à 4 haut-parleurs
Sistema con 4 altavoces
Sistema a 4 diffusori
or
ou
o
o
2-Speaker system
Système à 2 haut-parleurs
Sistema con 2 altavoces
Sistema a 2 diffusori
Front Right
Avant droit
Delantero derecho
Anteriore destro
⊕Gray / ⊕Gris / ⊕Gris / ⊕Grigio
⊖Gray/⊖Black / ⊖Gris/noir / ⊖Gris/negro / ⊖Grigio/Nero
Front Left
Avant gauche
Delantero izquierdo
Anteriore sinistro
⊕White / ⊕Blanc / ⊕Blanco / ⊕Bianco
⊖White/Black / ⊖Blanc/noir / ⊖Blanco/negro / ⊖Bianco/Nero
Rear Right
Arrière droit
Trasero derecho
Posteriore destro
⊕Purple / ⊕Pourpre / ⊕Púrpura / ⊕Viola
⊖Purple/Black / ⊖Pourpre/noir / ⊖Púrpura/negro / ⊖Viola/Nero
Rear Left
Arrière gauche
Trasero izquierdo
Posteriore sinistro
⊕Green / ⊕Vert / ⊕Verde / ⊕Verde
⊖Green/Black / ⊖Vert/noir/ ⊖Verde/negro / ⊖Verde/Nero
Right
Droit
Derecho
Destro
⊕Gray / ⊕Gris / ⊕Gris / ⊕Grigio
⊖Gray/Black / ⊖Gris/noir / ⊖Gris/negro / ⊖Grigio/Nero
Left
Gauche
Izquierdo
Sinistro
⊕White / ⊕Blanc / ⊕Blanco / ⊕Bianco
⊖White/Black / ⊖Blanc/noir / ⊖Blanco/negro / ⊖Bianco/Nero
⊕Purple / ⊕Pourpre / ⊕Púrpura / ⊕Viola
⊖Purple/Black / ⊖Pourpre/noir / ⊖Púrpura/negro / ⊖Viola/Nero
⊕Green / ⊕Vert / ⊕Verde / ⊕Verde
⊖Green/Black / ⊖Vert/noir/ ⊖Verde/negro / ⊖Verde/Nero
Not used.
Insulate each wire.
Inutilisé.
Isoler chaque fil.
No se utiliza.
Aísle todos los conductores.
Non usato.
Isolare ciascun filo.
16-Pin Connector Extension Lead
(attached to the source unit)
Fil prolongateur-connecteur 16 broches
(attaché sur l'appareil pilote)
Cable prolongador de 16 contactos
(fijado a la unidad fuente)
Cavo di prolunga connettore a 16 piedini
(applicato all'unità di fonte)
Yellow wire (Memory back-up lead)
Fil jaune (fil de soutien mémoire)
Conductor amarillo (Conductor de protección de la memoria)
Filo giallo (cavo di sostegno memoria)
Connect directly to battery.
Brancher directement à la batterie.
Conéctelo directamente a la batería.
Collegare direttamente alla batteria.
Fuse (15A)
Fusible (15A)
Fusible (15 A)
Fusibile (15 A)
Red wire (Power lead)
Fil rouge (fil d'alimentation)
Conductor rojo (Conductor de alimentación)
Filo rosso (cavo di alimentazione)
Accessory⊕12 V
Accessoire⊕12 V
Accesorio⊕12 V
Accessorio⊕12 V
Fuse (1A)
Fusible (1A)
Fusible (1A)
Fusibile (1 A)
Blue/White wire (Amplifier turn-on lead)
Fil bleu/blanc (fil de mise sous tension télécommandable de l'amplificateur)
Conductor azul/blanco (Conductor de conexión de la alimentación del amplificador)
Filo blu/bianco (cavo di accensione amplificatore)
Connect to remote turn-on lead of amplifier.
Brancher au fil de mise sous tension télécommandable de l'amplificateur.
Conéctelo al conductor de conexión automática de la alimentación del amplificador.
Collegare al cavo di accensione telecomandata dell'amplificatore.
Black wire (Ground lead)
Fil noir (fil de terre)
Conductor negro (Conductor de puesta a masa)
Filo nero (filo di massa)
Connect to vehicle chassis ground.
Brancher à la terre du châssis du véhicule.
Conéctelo a una parte metálica del chasis del vehículo.
Collegare alla massa telaio del veicolo.

English

No.	Description
①	ANTENNA
②	CeNET input
③	FRONT RIGHT Grey (Red)
④	FRONT LEFT Grey (White)
⑤	REAR RIGHT/SUB WOOFER/Black (Red)
⑥	REAR LEFT/SUB WOOFER/Black (White)
⑦	AUX INPUT RIGHT Red (Red)
⑧	AUX INPUT LEFT Red (White)

Français

No.	Description
①	ANTENNE
②	Entrée CeNET
③	AVANT DROIT Gris (Rouge)
④	AVANT GAUCHE Gris (Blanc)
⑤	ARRIERE DROIT/SUBWOOFER/Noir(Rouge)
⑥	ARRIERE GAUCHE/SUBWOOFER/Noir (Blanc)
⑦	ENTREE AUX droite (Rouge)
⑧	ENTREE AUX gauche (Blanc)

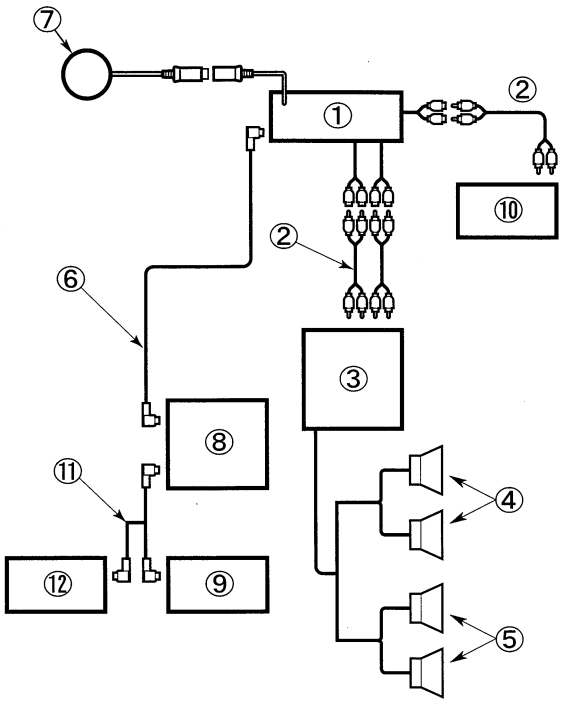
Español

No.	Descripción
①	ANTENA
②	Entrada de CeNET
③	DELANTERO DERECHO Gris (Rojo)
④	DELANTERO IZQUIERDA Gris (Blanco)
⑤	TRASERO DERECHO/ALTAVOZ DE SUBGRAVES/Negro (Rojo)
⑥	TRASERO IZQUIERDA/ALTAVOZ DE SUBGRAVES/Negro (Blanco)
⑦	Entrada auxiliar (AUX INPUT) del canal derecho (Rojo)
⑧	Entrada auxiliar (AUX INPUT) del canal izquierdo (Blanco)

Italiano

No.	Descrizione
①	ANTENNA
②	Ingresso CeNET
③	ANTERIORE DESTRO Grigio (rosso)
④	ANTERIORE SINISTRO Grigio (bianco)
⑤	POSTERIORE DESTRO/SUBWOOFER/Nero (rosso)
⑥	POSTERIORE SINISTRO/SUBWOOFER/Nero (bianco)
⑦	AUX INPUT destro (rosso)
⑧	AUX INPUT sinistro (bianco)

SAMPLE SYSTEMS / EXEMPLES DE SYSTÉMES
EJEMPLOS DE SISTEMAS / ESEMPIO DEL SISTEMA



English

①	Source unit
②	RCA extension cable (sold separately)
③	4-Channel power amplifier
④	Front speakers
⑤	Rear speakers
⑥	CeNET extension cable
⑦	Wired remote control unit
⑧	Satellite radio receiver
⑨	CD changer
⑩	External unit
⑪	CeNET Y-adapter (CCA519)
⑫	iPod CeNET Controller

Français

①	Appareil pilote
②	Câble de rallonge RCA (vendu séparément)
③	Amplificateur de puissance 4 canaux
④	Haut-parleurs avant
⑤	Haut-parleurs arrière
⑥	Câble d'extension CeNET
⑦	Télécommande à fil
⑧	Récepteur radio satellite
⑨	Changeur de CD
⑩	Appareil externe
⑪	CeNET adaptateur Y (CCA519)
⑫	Contrôleur CeNET iPod

Español

①	Unidad fuente
②	Cable de extensión RCA
③	Amplificador de potencia de 4 canales
④	Altavoces delanteros
⑤	Altavoces traseros
⑥	Cable prolongador CeNET
⑦	Unidad de control remoto alámbrica
⑧	Receptor de radio vía satélite
⑨	Cambiador de discos compactos
⑩	Unidad externo
⑪	CeNET adaptador en Y (CCA519)
⑫	Controlador iPod CeNET

Italiano

①	Unità di fonte
②	Cavo di prolunga RCA
③	Amplificatore di potenza a 4 canali
④	Altoparlanti anteriori
⑤	Altoparlanti posteriori
⑥	Cavo di prolunga CeNET
⑦	Unità di telecomando collegato via cavo
⑧	Ricevitore radio satellitare
⑨	Cambiatore CD
⑩	Unità esterna
⑪	CeNET adattatore a Y (CCA519)
⑫	Controller CeNET dell'iPod

281-0624-00 2003/8

Clarion®

CLARION LIMITED WARRANTY

For USA and Canada only

If purchased from an authorized Clarion dealer, this product is warranted against all defects in materials and workmanship for a period of one (1) year from the date of original purchase. Clarion ProAudio products, except for speakers, are covered by a two (2) year limited warranty when purchased from and installed by an authorized Clarion dealer. **ALL PURCHASES OF CLARION PRODUCTS FROM NON-AUTHORIZED CLARION DEALERS ARE SUBJECT TO FURTHER WARRANTY RESTRICTIONS AS DESCRIBED BELOW.**

The conditions of this limited warranty and the extent of responsibility of Clarion Corporation of America ("Clarion") under this limited warranty are as follows :

1. **PROOF OF DATE OF PURCHASE WILL BE REQUIRED FOR WARRANTY SERVICE OF THIS PRODUCT. IN THE CASE OF THE TWO (2) YEAR LIMITED WARRANTY FOR CLARION PROAUDIO PRODUCT, PROOF OF INSTALLATION BY AN AUTHORIZED CLARION DEALER IS REQUIRED. INFORMATION ABOUT CLARION AUTHORIZED WARRANTY SERVICE CENTERS MAY BE OBTAINED BY CONTACTING OR WRITING CLARION AT THE ADDRESS LISTED BELOW.**
2. This limited warranty will become void if service performed by anyone other than an approved Clarion Warranty Service Center results in damage to the product.
3. This limited warranty does not apply to any product which has been subject to misuse, neglect or accident, or which has had the serial number altered, defaced or removed, or which has been connected, installed, adjusted or repaired, other than in accordance with the instructions furnished by Clarion.
4. This limited warranty does not cover car static or other electrical interferences, tape head or laser pick-up cleaning or adjustments, or labor costs for the removal or reinstallation of the unit for repair.
5. The sole responsibility of Clarion under this limited warranty shall be limited to the repair of the product or replacement of the product, at the sole discretion of Clarion.
6. Product must be shipped in its original carton or equivalent carton, fully insured, with shipping charges prepaid. Clarion will not assume any responsibility for any loss or damage incurred in shipping.
7. **CLARION PRODUCTS, INCLUDING PROAUDIO PRODUCTS, PURCHASED FROM A SOURCE OTHER THAN AN AUTHORIZED CLARION DEALER, INCLUDING ANY AND ALL PURCHASES VIA THE INTERNET FROM A NON INTERNET AUTHORIZED CLARION DEALER, SHALL NOT BE COVERED BY ANY CLARION LIMITED WARRANTY TO THE EXTENT ALLOWED BY APPLICABLE LAW. IN THE EVENT AND TO THE EXTENT APPLICABLE LAW PROHIBITS ELIMINATION OF WARRANTIES UNDER THESE CIRCUMSTANCES, THE APPLICABLE LIMITED WARRANTY PERIOD SHALL BE DEEMED TO BE FIFTEEN (15) DAYS FROM THE DATE OF ORIGINAL PURCHASE.**
8. ALL IMPLIED WARRANTIES EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW SHALL HAVE NO GREATER DURATION THAN THE WARRANTY PERIOD SET FORTH ABOVE. UNDER NO CIRCUMSTANCES SHALL CLARION BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.
9. **THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.**
10. The laws of the State of California shall govern and control this limited warranty, its interpretation and enforcement.
11. Should you have any difficulties with the performance of this product during the warranty period, please call or visit our web site for a listing of Authorized Warranty Service Centers in your area. You may also contact the Clarion Customer Service at the address listed below for any service help you may need with Clarion products.

In USA:
Clarion Corporation of America
Attn:Customer Service Manager
661 W. Redondo Beach Blvd
Gardena, CA.90247-4201
1-800-GO-CLARION
(310)327-9100
www.clarion.com

In Canada:
Clarion Canada Inc.
Warranty Service Center
2239 Winston Park Drive
Oakville,Ontario L6H 5R1
(905)829-4600
www.clarioncanada.com